Research, Development, Test and Evaluation Program (R-1), Department of Defense Budget for Fiscal Year 1983

(U.S.) Department of Defense Washington, DC

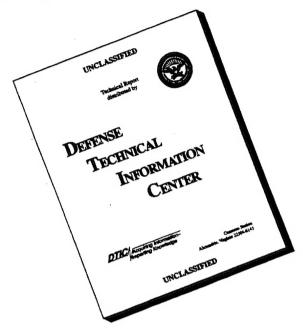
8 Feb 82

Approved for public releases

Distribution Unlimited

19960305 010

#### DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

#### Preface

An unclassified version is provided to OASD(PA) for use by non-DoD activities. The R.D.T.& E. Programs (R-1) exhibit is derived from and consistent with provided annually to the NoN oversight committees of the Congress coincident House Committee on Administration for input to the House Information System. Government. It is accompanied by an automated data hase submission to the the DoD Five Year Defense Program R.D.T.& E. Annex data hase. The R-1 is with the transmission by the President of the Rudget of the United States

Office of the Assistant Secretary of Defense

Comptroller

PAGE

111 & 111

A-1 thru A-13

Į.

FI

<u>-1</u>

0-1 thru 0-3

7-0

0-2

D-6 thru D-15

Army R-1 Navy Tah

Army Summary

DoD Summary

Army Tab

Navy Summary

Navy R-1

Air Force Tab

Air Force Summary

Air Force R-1

Defense Agency Tab

Defense Agency Summary

Defense Agency R-1

Director, Test and Evaluation Summary

Director, Test and Evaluation R-1

Individual Defense Agency R-1

A-I

N-1 thru N-20

F-1 thru F-12

UNCLASSIFIED

DEPARTMENT OF DEFENSE FY 1983 R D T & E PROGRAM	SUMMARY

EXHIBIT R-1

FY 1983	R D T & F PRUSHAM	Ξ		
	SUMMARY		DATE: 08	08 FEB 1982
	!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	DØLLARS
	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY BY APPROPRIATION			200	5 284 734
RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	3,124,274	3,609,535 5,807,131	6,232,300	7,746,511
RESEARCH DEVELOPMENT TEST + EVAL, NAVY	7,133,347	8,876,310	11,220,400	11,448,035
	1,308,948	1,697,646	2, 259, 900	2,912,069
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCE.	42,100	53,000	000'09	63,702
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	16,633,535	20,043,622	24,256,600	27, 455, 051
SIMMADY BECAP OF RESEARCH CATEGORIES	·			
111111111111111111111111111111111111111	614.816	694,644	828,093	927,847
RESEARCH	1.985,285	2,212,464	2,508,843	2, 879, 765
EXPLORATORY DEVELOPMENT	2,806,278	3,475,946	4,689,386	6,826,501
ADVANCED DEVELOPMENT	6,394,647	7,683,308	8,918,892	8,534,212
ENGINEERING DEVELOPMENT	1,735,852	2,008,888	2,223,830	2,409,403
	13,536,878	16,075,250	19,169,044	21,577,728
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 9) OPERATIONAL SYSTEMS DEVELOPMENT	3,096,657	3,968,372	5,087,556	5,877,323
TOTAL RESEARCH, DEVELCPMENT, TEST & EVALUATION	16,633,535	20,043,622	24,256,600	27,455,051

DEPARTMENT OF DEFENSE FY 1983 R D T & E PROGRAM

EXHIBIT R-1

	SOMMIS			
	TAKINDO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		08 FEB 1982
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS	THOUSANDS OF DOLLARS
				, , , , , , , , , , , , , , , , , , , ,
SUMMARY RECAD AT BURGET ACT	FY 1981	FY 1982		FY 1984
TITLES			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1
TECHNOLOGY BASE				
	2, 600, 101	2,907,108	3, 336, 936	3,807,612
STRATEGIC BECOMMENDED	593, 333	735,448	951,748	1,261,054
TACTICAL PREDAMS	3,440,397	4,643,427	6,647,050	7,762,462
NTELL DEFINITION AND COMMISSION OF THE PROPERTY OF THE PROPERT	6, 129, 710	6,899,753	7,575,746	8, 095, 383
DEFENSE MINALON STREET	1,632,102	2, 202, 026	2,772,475	3, 312, 372
	2,237,892	2,655,860	2,972,645	3,216,168
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	16, 633, 535	20,043,622	24, 256, 600	27, 455, 051
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FURCES				
GENERAL PURPOSE FRANCES	682, 723	713,179	853,817	882, 106
	712,870	848,120	1,250,140	1,386,915
AIRLIFTSFALIET	1,660,858	2, 362, 035	2,953,312	3, 579, 502
RENEADOR AND DICKE	26, 935	30,485	12,604	7,310
CENTRAL SUBDEY AND MANAGEMENT (FYDP PROGRAM 6)	13, 536, 878	16,075,250	19, 169, 044	21,577,728
TRAINING MEDICAL AND CTITE	10,337	10,958	13, 738	17,350
SUPPORT OF OTHER NATIONS	615	1,000	1,157	1,378
	2,319	2,595	2,788	2,762
TÖTAL RESEARCH, DEVELGPMENT, TEST & EVALUATION	16,633,535	20,043,622	24, 256, 600	27,455,051
			PAGE III	

UNCLASSIFIED

ARMY

### DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY		DATE: 08	FEB 1982
1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS	OF DOLLARS
	FY 1981		FY 198	FY 1984
ATEGÖRIES				
	144,372	178,116	221,823	242,709
REVERACE TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	364,718	408,564	477,878	576, 202
ADVANCED DEVELOPMENT	674,278	940,658	1,667,165	2, 137, 403
ENGINEERING DEVELOPMENT	1,230,593	1,160,016	789,389	869, 511
MANAGEMENT AND SUPPORT			1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	2,949,792	3,370,167	4,196,121	4,945,903
OPERATIONAL SYSTEMS DEVELOPMENT	174,482	239, 300	201707	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	-	,609,	4,484,000	5, 284, 734
SUMMARY RECAP OF BUDGET ACTIVITIES				
	609,090	586, 680	699, 701	818,911
TECHNOLOGY BASE	159,401	210,652	314,528	486,841
ADVANCED IECHNOLOGI DEVELOTILIA STBATEGIO DEGGEAMS	266, 632	462,109	919,001	869, 305
STATION TO THE STATE OF THE STA	1,568,778	1,572,970	1,678,959	2, 108, 900
INTELLIGENCE AND COMMUNICATIONS	42,395	47,157	73,056	109,311
DEFENSEWIDE MISSION SUPPORT	577,	729,967	667 (887	001,100
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,124,274	609, 53	4,484,000	5,284,734
SUMMARY RECAP OF FYDP PROGRAMS			,	270
STRATEGIC FORCES	3,200	19,252	180,447	195,935
GENERAL PURPOSE FORCES	36,060	000,000	54,449	84, 520
INTELLIGENCE AND COMMUNICATIONS	2,949,792	3,370,167	4, 196, 121	4,945,903
		1		1 1 1
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	3, 124, 274	3, 609, 535	4,484,000	5, 284, 734

#### DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

			PAGE A-1		UNCLASSIFIED	<b>&gt;</b>			
	ာ ဗ	18,613 U	17,725	15,275	15, 135	-	ELECTRICAL AND ELECTRONIC DEVICES	62705A	2
	9	3,378	2,584	2,755	2,319	<b>,-</b>	MIL ENVIRGNMENTAL CRITERIA DEV	62704A	50
	∩ ອ	4,883 U	2,918	2,214	5,097	-	CMBT SURV TARGET ACQ/ID	62703A	œ œ
	- -	8,931 U	9,719	7,545	8,067	-	COMMUNICATIONS TECH	62701A	8
	⊃ ຄ	2,113 U	3,706			-	JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP)	62623A	17
	0	16,810 U	14,829	18,468	7,279	-	CHEMICAL MUNITIONS/CHEMICAL CMBT SPT	62622A	16
	<b>4</b>	25,234 U	21,637	21,841	19, 606	-	BALLISTICS TECHNOLOGY	62618A	ŭ
	0	12,216	9,902	11,470	12,117	-	SMALL CAL AND FIRE CNTRL TECHNOLOGY	62617A	4
				19, 750	26, 521	-	LARGE CAL AND NUCLEAR TECHNOLOGY	62603A	5
	0	26,500	19,925	14,648	11,441	-	TANK AND AUTOMOTIVE TECHNOLOGY	62601A	2
	<u>و</u>	34,096	31,327	22,926	18,759	-	HIGH ENERGY LASER TECHNOLOGY	62307A	=
	5 C	37,575	37,651	30,041	25, 922	-	MISSILE TECHNOLOGY	62303A	0
	<b>4</b> ⊃	2,144 U	1,688	1,540	1,188	-	AIRDROP TECHNOLOGY	62210A	G)
	S Q	27,642 U	24,349	18,044	18,208	-	AERONAUTICAL TECHNOLOGY	62208A	∞ .
	<b>4</b> ⊃	9,404 U	8,389	5,967	5,475	-	AIRCRAFT AVIONICS TECHNOLOGY	62202A	^
	<u>ا</u>	3,303 U	2,492	2,094	1,666	-	AIRCRAFT WEAPONS TECHNOLOGY	62201A	6
	2	11,381 U	6,532	5,225	5,783	-	FUZE/NUCLEAR WPNS EFFECTS/FLUIDICS	62120A	ю
	25	6,995 U	5,045	5,534	6,208	-	ATMOSPHERIC INVESTIGATIONS	62111A	4
		11,551 U	9,615	10,450	11,719	-	MATERIALS	62105A	ო
	98	218,098 U	199,921	156,610	124,896	-	DEFENSE RESEARCH SCIENCES	61102A	N
	_ _	24,611	21,902	21,506	19,476	-	IN-HOUSE LAB INDEPENDENT RESEARCH	61101A	-
	; %; упо	FY 1984	FY 1983	FY 1982	FY 1981	ACT	ITEM NOMENCLATURE	ELEMENT NUMBER	N N N N N N N N N N N N N N N N N N N
1	'	THOUSANDS OF DOLLARS	THOUSANDS			 	[		
						1 1 1 1 1 1 1			

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1 DATE: 08 FEB 1982 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

1	1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1				
			1			THOUSANDS OF DOLLARS	F DÖLLARS
L I NG		I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
22	62706A	CHEM BIOLOGICAL DEF/GEN INVEST	-	13, 169	22, 899	29, 589	48,316 U
23	62707A	MAPPING - GEODESY	-	5,020	5,750	6, 830	8,962 U
24	62709A	NIGHT VISION INVESTIGATIONS	-	12,673	13,154	14,101	13,934 U
23	62715A	TACTICAL ELECTRONIC WARFARE TECHNOLOGY	-	8,554	9,707		
56	62716A	HUMAN FACTORS ENGR IN SYS DEV	-	7,005	8, 547	9,173	11,409 U
27	62717A	HUMAN PERFORMANCE EFFECT/SIMULATION	-	3, 196	3,373	3,581	4,369 U
28	62719A	MOBILITY AND WEAPONS EFFECTS TECH	-	5,251	6,266	8,410	9,402 U
28	62720A	ENVIRONMENTAL QUALITY TECH	-	6,437	7,483	8,706	9,527 U
30	62722A	MANPOWER/PERSONNEL/TRAINING	-	6,203	5,922	7,370	8,510 U
.3	62723A	CLOTHING EQUIP AND SHELTER TECH	-	5,371	5,574	6,970	7,251 U
35	62724A	JT SVC FOOD SYS TECH	-	6,552	5, 556	5, 595	7,012 U
33	62725A	COMPUTER AND INFORMATION SCIENCE	-	2,058	1,794	1,966	2,181 U
94	62727A	NON-SYSTEM TRAINING DEVICES	-	2,691	2,657	2,900	4,709 U
33	62730A	COLD REGIONS ENGINEERING TECHNOLOGY	-	4,262	5,443	6,860	0,966 U
36	62731A	MILITARY FACILITIES ENGINEERING TECHNOLOGY	-	3, 735	3, 397	4,250	4,422 U
37	62732A	RPV SUPPORTING TECHNOLOGY	-	1,456		1,588	3,447 U
38	62733A	MOBILITY EQUIPMENT TECHNOLOGY	-	10,007	10,164	11,278	12,717 U
8	62734A	MED DEFENSE AGAINST CHEM AGENTS	-	5, 260	25, 785	26,865	37,123 U
40	62746A	TACTICAL ADP TECH	-	7,024	8,029	7,076	6,003 U
4	62770A	MILITARY DISEASE HAZARDS TECH	-	16,194	17,115	24,979	29, 805 U
42	62772A	COMBAT CASUALTY CARE TECH	-	15,495	6,749	6,682	8,486 U

PAGE A-2

### DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

DATE: 08 FEB 1982

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	PAGE A-3						
11,335 U	9,324	10,768	4,345	01	LANDMINE WARFARE/BARRIER DEV	63606A	62
30,865 U	7,767	9,217	34,008	N	ADVANCED LAND MOB SYSTEMS CONCEPTS	63602A	61
8,261 U	10,711			N	HIGH TECHNOLØGY TEST BED	63324A	09
42,581 U	33,116			N	HI-ENERGY LASER COMPONENTS	63314A	20
14,024 U	9,181	311	4,229	Q	MSL/RØCKET CØMPØNENTS	63313A	28
23,610 U	6,814	1,997	10,774	N	TERMINALLY GUIDED PRØJECTILES	63306A	22
8,932 U	1,899	2,336		Q	NOE AVIATION AND NAVIGATION EQUIPMENT	63221A	26
14,060 U	944			0	LIGHT HELIC ADVAN TECH DEMONSTRATION	63220A	22
2,084 U	1,688	2,695	1,775	O.	AIRDROP EQUIP AND TECHNIQUES	63218A	27
8,278 U	3,522	5,980	3,926	cu	SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	63216A	53
45,459 U	33,809	28,438	12,306	a	ROTARY WING CONTROLS/ROTORS/STRUCTURES	63211A	52
7,464 U	3,784	1,809	247	O.	AIR MOBILITY SUPPORT	63209A	51
6,868 U	4,494	2,312	3, 695	a	AIRCRAFT AVIONICS EQUIPMENT	63207A	20
16,253 U	5, 581	497	1,941	a	AIRCRAFT WEAPONS	63206A	49
33,504 U	8,660	2,963	3,868	CI.	AIRCRAFT POWER PLANTS AND PROPULSION	63201A	48
3,878 U	1,871	1,304	889	Ø	FUELS AND LUBRICANTS	63104A	47
16,061 U	7,478	3,986	4,056	Ø	MATERIALS SCALE-UP	63102A	46
818,911	699, 701	586, 680	209, 090		LCGY BASE	TECHNOLOGY	
2,102 U	1,891	1,977	1,435	-	ENERGY TECH APPL FOR MILITARY FACIL	62781A	45
21,385 U	18,066	13,963	12,545	-	SYSTEMS HEALTH HAZARD PREVENT TECH	62777A	4
3,044 U	2,619	1,473	615	-	COMBAT MAXILLOFACIAL INJURY	62778A	43
FY 1984 C	FY 1983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	ELEMENT	NO E

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

		i.	FY 1983	R D T & E PROGRAM	AM	EX	EXHIBIT R-1
PPR	APPROPRIATION:	2040 A RESEARCH DEVELOPMENT TEST + EVAL,	ARMY			DATE: 08	
:	PROGRAM	1	1 1 1 1 1			THOUSANDS OF DOLLARS	
LI NE	ELEMENT	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
63	63607A	JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	Q	1,999	5,487	3,466	3,934 U
84	63621A	COMBAT VEHICLE PROPULSION SYS	N	4,475	12,897	12,918	17,622 U
65	63631A	CMBT VEH TURRET AND CHASSIS SUBSYS	N	3,225	7,854	11,146	12,935 U
99	63636A	COMBAT VEHICLE ARMOR/ANTI-ARMOR	OI.			10,888	11,233 U
87	63702A	ELECTRIC POWER SOURCES	Ø	3,052	5,072		כ
68	63710A	NIGHT VISIÓN ADVANCED DEVELOPMENT	O.	17,896	35,617	30, 224	34,816 U
69	63725A	REMOTELY PILOTED VEHICLES/DRONES	OI.	5,125	4,508	4,166	6, 600 U
20	63731A	MANPOWER AND PERSONNEL	a	3, 359	4,103	9,747	12,077 U
71	63732A	COMBAT MEDICAL MATERIAL	Q	132	190		ס
72	63734A	COMBAT ENGINEERING SYSTEMS	Ø	·	269	2,730	2,127 U
73	63737A	ANTI-RADIATION MSL COUNTER MEASURES	N				
74	63739A	HUMAN FACTORS IN TNG/OPER EFFECT	a	1,948	3,111	3,755	6,496 U
75	63742A	ADV ELECTRONIC DEVICES DEV	N		2, 233	4,006	4,902 U
92	63743A	EDUCATION AND TRAINING	a	7,807	9,361	9,764	9,820 U
77	63744A	TRAINING SIMULATION	a	1,530	2,212	2,790	3, 152
78	63747A	SOLDIER SUPPORT/SURVIVABILITY	a	3,842	3,134		
79	63748A	ADV DEV OF AUTOMATIC TEST EQ/SYS	N	8,392	9,619	11,335	11,519 U
80	63749A	TECHNICAL VULNERABILITY REDUCTION	N	5,968	12,899	10,198	10,234 U
19	63750A	DRUG AND VACCINE DEVELOPMENT	a	4,786	5,073		5
82	63751A	MEDICAL DEFENSE AGAINST CHEM WARFARE	N		2,933		כ
83	63752A	DEMILITARIZATION CONCEPTS	O		9,467	12,766	13,768 U

PAGE A-4

EXHIBIT R-1

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

PRC	APPROPRIATION:	2040 A RESEARCH DEVELCIPMENT TEST + EVAL,	ARMY			DATE: 08	FEB 1982	
						THOUSANDS OF	DOLLARS	!
L I N	PROGRAM		•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ος II
2		I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	10
84	63761A	ELEC WRFR VULN/SUSCEP TECH SUPPORT	N					
82	63762A	ELECTRÖNIC WARFARE FEASIBILITY DEVELOPMENT	O.			4,995	8,138	$\supset$
98	63763A	INDUSTRIAL BASE BIG WRFR VACCINES/DRUGS	Ø			4,951	6,354	3
87	63765A	NONTACTICAL ADP TECHNOLOGY	Ø			495		)
	ADVANC	ADVANCED TECHNOLOGY DEVELOPMENT		159,401	210,652	314,528	486,841	
88	63304A	BMD ADVANCED TECHNOLOGY	n	123,222	126,494	143,243	151,464	)
88	63308A	BALLISTIC MSL DEF SYS TECH	9	143,410	335, 615	727,311	659,465	$\supset$
90	12814A	SPECIAL PROGRAM	m			1		
91	12817A	MOBILE COMMAND CENTERS	ო			4,961	49,249	$\supset$
92	12821A	CLASSIFIED PROGRAM	ო					
	STRATE	STRATEGIC PROGRAMS		266,632	462,109	919,001	869, 305	
69	63215A	JOINT SURVIVABILITY INVESTIGATIONS	4	645	930	1,103	1,117	)
94	63222A	SPECIAL ELECTRONIC MISSION AIRCRAFT-X	4			80.8	14,259	$\supset$
93	63302A	HIGH-TO-MEDIUM AIR DEFENSE DEV	4			27,172	34,548	$\supset$
96	63303A	SURF-TÖ-SURF MSL RÖCKET SYS	4	281	2,989	16,407	31,224	$\supset$
26	63307A	SHORT RANGE AIR DEF SELF PROT WPN	4	-				$\supset$
88	63316A	ADVANCED RÖCKET CÖNTRÖL SYSTEM	4	21,178		27,869	53,992	$\supset$
9	63320A	CORPS SUPPORT WEAPON SYSTEM	4	14,294	10,727	6,103	.22, 465	)
100	63323A	LIGHT WEIGHT AIR DEFENSE SYSTEM	4			3,466	14, 751	)
101	63604A	NUCLEAR MUNITIONS AND RADIACS	4	1,891	3,568			
					6.	PAGE A-5		

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

19,657 U 41,232 U 13,781 U 12,680 U 48,156 U 6,197 U 6,897 U 11,020 U 25,516 U 32,199 U 5,565 U 28,799 U 19,932 U 79,127 U 6,350 U 置い **5** 31,269 U 20,377 U 13,700 U 32,623 U FY 1984 THOUSANDS OF DOLLARS 08 FEB 1982 3,563 8,113 5,452 6,146 26, 542 22, 133 32,886 4,595 23,951 8,941 9,053 2,998 25, 164 DATE: FY 1983 17,900 13,733 2,700 37,354 A-6 PAGE 6,318 6,050 3,149 3,813 9,469 20,026 20,939 6,707 7,958 2,162 18,664 2,032 FY 1982 8,157 24,647 101 2,902 17,393 1,999 5,696 3,880 11,905 5,736 870 3,384 2,269 21,668 3,582 900 9 2,830 4,188 FY 1981 ACT APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY TANK AND MORTAR AMMUNITION DEVELOPMENT ARMORED CMBT LOG SPT VEHICLE FAMILY CHEMICAL DEFENSE MATERIEL CONCEPTS ADDS-ARMY DATA DISTRIBUTION SYSTEM LETHAL CHEMICAL MUNITIONS CONCEPTS AIRCRAFT SURVIVABILITY EQUIPMENT IDENTIFICATION-FRIEND OR FOE DEV DIVISION SUPPORT WEAPONS SYSTEM I TEM NOMENCLATURE COMMUNICATIONS DEVELOPMENT WEAPONS AND AMMUNITION (H) SPECIAL PURPOSE DETECTORS COMBAT SUPPORT EQUIPMENT COMBAT SUPPORT MUNITIONS FIELD ARTILLERY AMMG DEV ELECTRIC POWER SOURCES MOBILE PROTECTED GUN LANDMINE/BARRIER SYS COMMAND AND CONTROL PHYSICAL SECURITY EW VULN/SUSC RATTLER 63719A 63723A 63726A PROGRAM ELEMENT NUMBER 63633A 63705A 63706A 63707A 63711A 63713A 63718A 63721A 63615A 63619A 63629A 63632A 63635A 63702A 63608A 63627A 63628A 63612A LINE 122 120 117 119 108 114 116 118 106 109 110 111 2 102 103 104 105 107

### DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	2040 A RESEARCH	ARMY			DATE: 06	08 FEB 1982
! ! !		• • • • • • • • • • • • • • • • • • •	} } 1 1 1 1 1 1	. 6		S	
LINE	FROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1881	FY 1982	FY 1983	Т Т 1994 О П 1994
123	63730A	TACTICAL SURVEILLANCE SYSTEM	4	10,282	14,984		
124	63732A	COMBAT MEDICAL MATERIAL	4			224	260 U
125	63737A	ANTI-RADIATION MSL COUNTER MEASURES	4	4,343	5,305		J
126	63740A	DIV AIR DEFENSE COMD/CNTRL	4	12,029	9,171	4,399	8,344 U
127	63741A	METEGROLGGIC EQUIPMENT DEVELOPMENT	4				2,821 U
128	63745A	TAC ELECTRONIC SPT MEASURE SYS	4	14,575	13,911		
129	63746A	SINGLE CHANNEL GRD/ABN RADIO SUB-SYS	4	25,088	13,682	17,862	D
130	63747A	SOLDIER SUPPORT/SURVIVABILITY	4			2, 251	5,855 U
131	63750A	DRUG AND VACCINE DEVELCPMENT	4			8,796	12,957 U
132	63751A	MEDICAL DEFENSE AGAINST CHEM WARFARE	4			2,924	39,632 U
133	63753A	BATTLEF.IELD DATA SYSTEMS	4			1,891	6,429 U
134	63755A	TAC ELEC C/M SYS	4	9,901	17,793		
135	63764A	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4			36, 189	30,430 U
136	63766A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4				
137	64202A	AIRCRAFT WEAPONS	4	6,571	3,495	686	576 U
138	64204A	AIR MOBILITY SUPPORT EQUIPMENT	4	808	2,308	2,245	6,357 U
139	64206A	UH-60A BLACKHAWK	4		6,140	6,708	13,450 U
140	64207A	ADVANCED ATTACK HELICOPTER	4	172,941	91,874	33, 725	39,448 U
141	64212A	COBRA TOW	4	2,487	19,616	12,245	4,419 U
142	64213A	CH-47 MODERNIZATION	4	670			>
143	64216A	AIRCRAFT PROPULSION SYSTEMS	4			1,007	4,317 U
					_	PAGE A-7	¥
				CH 1 4 1 6 4 1 1			

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1 DATE:

APPR	OPRIATION	RESEARCH DEVELOPMENT TEST + EVAL,	ARMY			DATE: 08	DATE: 08 FEB 1982
! !	: : : : : : : : : : : : : : : : : : :	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	1 1 1 1 1 1 1 1 1 1 1 1 1 1			THOUSANDS	S OF DOLLARS
LINE	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
144	84217A	SYNTHETIC FLIGHT TRAINING SYSTEMS	4	560	3,063	30,951	21,053 U
54	64218A	AIRDROP EQUIP DEVELOPMENT	4	1,008	2,918	3,136	4,144 U
148	64220A	ARMY HELICOPTER IMPROVEMENT PROG	4	25,657	38,497	75,811	55, 666 U
147	64221A	SURVEILLANCE SYSTEM	4		3,910	12,868	11,241 U
148	64222A	JOINT SERVICE ROTARY WING AIRCRAFT DEVEL	4			49,765	77,290 U
149	64268A	AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4			10,996	17,635 U
180	64306A	STINGER	4	5,657	16, 121		
181	64307A	PATRICT (SAM-D)	4	75, 362	57,812	47,076	86,076 U
182	64309A	RØLAND	4	12,613			2
153	84310A	HELIBORNE MISSILE-HELLFIRE	4	81,518	24,225	19,327	285 U
154	84311A	PERSHING 11	4	149,377	150,580	111,301	23,598 U
188	64313A	GRASS BLADE	4	43,713	29,826	17,117	9,546 U
186	84314A	MULTIPLE LAUNCH ROCKET SYS	4	69,925	38,172	23,215	2
187	64316A	FIRE AND FORGET HELLFIRE	4	4,766			<b>D</b>
188	64318A	DIVISION AIR DEFENSE GUN	4	65,203	29,949	10,918	כ
189	84321A	JOINT TACTICAL FUSION PROGRAM	4		30,417		
160	64601A	INFANTRY SUPPORT WEAPONS	4	4,853	11,707	5,601	4,870 U
161	64603A	NUCLEAR MUNITIONS	4	13, 163	33,920		
162	84608A	ARMY SMALL ARMS PROGRAM	4	748	393		<b>)</b>
163	64609A	COMBAT SUPPORT SYSTEMS	4	707	3,037	2,640	4,431 U
164	64610A	LETHAL CHEMICAL MUNITIONS	4	76	2,169		3,616 U
					ū.	PAGE A-8	

## DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

EXHIBIT R-1 DATE: 08 FEB 1982 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	: : : : : : : : : : : : : : : : : : : :				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	
					; ; ; ; ; ; ; ;		の 
N S S	ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
165	64612A	COUNTERMINE AND BARRIERS	4	999	2,974	6, 192	7,677 U
166	84614A	FLD ARTY WPNS/AMMG (155MM) (H)	4	341			כ
187	64616A	FIGHTING VEHICLE SYS	4	41,651	103, 393	50,488	33,512 U
168	64619A	LANDMINE WARFARE	4	11,133	4,943	9,701	7,459 U
169	64620A	TANK SYSTEMS	4	51,540	28,407	11,961	<b>D</b>
170	64621A	COPPERHEAD	4	6,026	3,294	2,075	<b>.</b>
171	64623A	VIPER (H)	4	7,774			כ
172	64624A	HIGH MOBILITY MULTI-PURPOSE VEHICLE	4	4,670	3,013	2,743	5
173	64626A	FIRE INTEGRATION SPT TEAM VEH	4	8,432	009'6	6,926	<b>5</b>
174	84628A	INDIRECT FIRE TRAINING MUNITIONS	4		1,337		1,445 U
178	84830A	TANK GUN COOPERATIVE DEVELOPMENT	4	61,473	82,724	54,342	61,252 U
176	64631A	FLD ARTY AMMUNITION	4	2,243	1,460	2,573	15,824 U
177	64632A	105MM TANK AMMUNITION	4	5,005	5, 195	1,059	7,938 U
178	64701A	COMM ENGINEERING DEV	4	5,809	8,865	11,705	14,004 U
179	64702A	JOINT TACTICAL INFO DISTRIBUTION SYSTEMS	4		15,854	14,556	12,472 U
180	64704A	UNATTENDED GROUND SENSORS	4	3,955	6,927	4,135	ס
181	64705A	MODULAR INTEGRATED COMM AND NAVIGATION SYS	4		17,589	14,754	7,637 U
182	64706A	RADIOLOGICAL DEFENSE EQUIPMENT	4	318	308	838	N 896
183		IDENTIFICATION-FRIEND OR FOE EQ	4	1,410	2,418	2,660	4,793 U
184	64710A	NIGHT VISION DEVICES	4	4,359	5, 326	4,931	5,777 U
185	64711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	12,942	14,406	20,335	17,019 U
			5	UNCLASSIFIED		PAGE A-9	

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

DATE: 08 FEB 1982 EXHIBIT R-1 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

·	PROGRAM		1			THOUSANDS	OF DOLLARS
LI NE		I TEM NOMENCLATURE	ACT		FY 1982	FY 1983	FY 1984 C
186	64712A	TACTICAL C3 SYSTEMS ENGINEERING	4	9,578	8,110	14,900	23,021 U
187	64713A	COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	1,951	2,531	2,574	5,276 U
188	64714A	TACTICAL ELECTRICAL POWER SOURCES	4	3,061	1,533	1,805	5,962 U
189	64717A	GENERAL COMBAT SUPPORT	4	8,748	8,001	5,967	11,600 U
180	64718A	PHYSICAL SECURITY	4	6,147	5,761	660 '2	6,157 U
191	64722A	EDUCATION AND TRAINING	4			866	4,723 U
192	64723A	SPECIAL PURPOSE DETECTORS	4	746			5
193	64724A	BIOLOGICAL DEFENSE MATERIEL	4	2,047	1,034	391	5
84	64728A	CHEMICAL DEFENSE MATERIEL	4	17,423	37,696	26,017	45,288 U
195	64727A	COMMAND AND CONTROL	4	19,564	14,965	13,650	26,486 U
196	64730A	REMOTELY PILOTED VEHICLES	4	56, 669	73,094	77,949	110,138 U
197	64740A	TACTICAL SURVEILLANCE SYSTEM	4	2,466	4,696		
198	64745A	TAC ELECTRONIC SPT MEASURE SYS	4	29,007	7,780		5
199	84746A	AUTOMATIC TEST SUPPORT SYSTEMS	4		4,983	2,940	6,812 U
200	64748A	STANDOFF TARGET ACQUISITION SYSTEM	4	57,486			2
201	64750A	TAC ELEC C/M SYS	4	5,250	5,621		
202	64781A	SINGLE CHANNEL GRD/ABN RADIO SUB ENG	4				16,672 U
203	84753A	BATTLEFIELD DATA SYSTEMS	4			. 27,868	43,333 U
204	64757A	MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4				4,935 U
208	64758A	DRUG AND VACCINE DEVELOPMENT	4				4,935 U
206	64766A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4				

UNCLASSIFIED

PAGE A-10

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM  EXHIBIT R-1	RCH DEVELOPMENT TEST + EVAL, ARMY
	APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST

	PAGE A-11		UNCLASSIFIED	5			
3,599 U		100	808	ю	MAPPING AND GEÖDESY	64716A	224
20,302 U	3,799	11,503	113,4	10	AIRCRAFT AVIONICS	64201A	223
1,065 U	3,424	1,042	1,999	Ю	MAPPING AND GEÖDESY	63712A	222
2,108,900	1,678,959	1,572,970	1,568,778		TACTICAL PROGRAMS	TACTIO	
4,948 U	527	4,016	1,133	4	EUCOM C3 SYSTEMS	33145A	221
5		41,524	23, 562	4	SATCOM GROUND ENVIRONMENT	33142A	220
52, 515 U	47,184	42,986	35,084	4	JT TACTICAL COMM PROG	28010A	219
1,869 U	1,485			4	COMMUNICATIONS SYSTEM ENGINEERING PROGRAM	23742A	218
<b>5</b>			9,491	4	PROD IMPR VULCAN AIR DEF SYS	23741A	217
9,858 U	14,947	14,825	7,877	4	MANEUVER CONTROL SYSTEM (MCS)	23740A	216
ם	1,025	532	1,330	4	AN/TSG-73 MCDIFICATIONS	23739A	215
49,637 U	46,785	29, 395	20,322	4	COMBAT VEHICLE IMPROVE PROG	23735A	214
<b>5</b>		N	707	4	23733A LANCE (NNL) WARHEAD (H)	23733A	213
27,125 U	37,971	39,435	9,481	4	SAM HAWK/HAWK IMP PROG	23731A	212
24,518 U	26, 381	19,616	22,908	4	CHAPARRAL	23730A	211
28,446 U	7,224	5,958	2,129	4	ADV FIELD ARTY TAC DATA SYS	23726A	210
1,967 U	1,981	6,569	22,731	4	HV ANTI-TANK ASSAULT WPN SYS (TOW)	23724A	209
2,218 U	1,451	1,413	729	4	JOINT CB CONTACT POINT AND TEST	65710A	208
48,038 U	30,066	29,465	23,176	4	JT INTEROPERABILITY TAC COMD/CNTRL	64779A	207
FY 1984 C	FF 1 983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	PROGRAM ELEMENT NUMBER	LINE
F DOLLARS	THOUSANDS OF						

DEPARTMENT OF THE ARMY FY 1983 R D T & E PROGRAM

			FY 1983 R D	D T & E PROGRAM	АМ	EX	EXHIBIT R-1
APPE	APPROPRIATION:	2040 A RESEARCH DEVELOPME	ARMY				FEB 1982
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. 1 1 1 2 7 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ; ; ; ;	THOUSANDS OF DOLLARS	1
L NE	PRGGRAM E ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984
225	64778A	NAVSTAR GLOBAL POS SYS (USER EQ)	Ю	17,849		11,911	4,773
226	12814A	SPECIAL PROGRAM	ю		i		
227	31022A	SCIENTIFIC AND TECH INTELLIGENCE (H)	ю				
228	31307A	FOREIGN SCIENCE AND TECHNOLOGY CENTER	ю				
229	31327A	TECHNICAL RECONN AND SURVEILLANCE	ю				
230	33111A	STRATEGIC ARMY COMMUNICATIONS	ю	684	788	812	954
231	33126A	LONG-HAUL COMMUNICATIONS (DCS)	10	7,267	7,460	7,578	7,492
232	33142A	SATCOM GROUND ENVIRONMENT	ю			35, 545	57,043 U
233	33401A	COMMUNICATIONS SECURITY	ю				
	INTELL	INTELLIGENCE AND COMMUNICATIONS		42,395	47,157	73,056	109,311
234	63718A	EW VULNERABILITY/SUSCEPTIBILITY	ω	17,429	22, 226		٠
235	63738A	NON-SYSTEM TRAINING DEVICES	ω	-	1,380		6,343
236	64268A	ACFT ENGINE COMPONENT IMPROVE PROG	ø	8,579	11,609		
237	64715A	NON-SYSTEM THE DEVICES ENGR	φ	12,211	11,253	8,645	16,054
238	64726A	METEGROLGGICAL EQUIPMENT SYSTEMS	ø	4,656	2,099	2,172	1,776
239	65102A	TRADGC STUDIES AND ANALYSES	60	1,400	1,543	3,287	3,429
240	65201A	AVIATION ENGINEERING FLIGHT ACTIVITY	ω	4,365	5,432	5,791	6,714
241	65301A	KWAJALEIN MISSILE RANGE	60	125,475	139, 351	152,140	151,601 U
245	65702A	SUPPORT OF DEVELOPMENT TESTING	ω	22,804	36, 635	43,180	56,377 U
243	85706A	MATERIEL SYSTEMS ANALYSIS	60	9,874	12,435	13, 166	14,216
244	65709A	EXPLOITATION OF FOREIGN ITEMS	ဖာ	1,480	1,953	2,021	2,737

PAGE A-12

UNCLASSIFIED

OF THE ARMY	T & E PROGRAM
DEPARTMENT	<u>م</u>
	Ϋ́

PROGRAM E ELEMENT NUMBER 65712A 65715A 65601A	2040 A RESEARCH DEVELGPMENT TEST + EVAL, ARMY	MY			DATE: 08	08 FEB 1982
PRGGRAM E ELEMENT NUMBER 65712A SU 65715A DE 65801A PF	\$	1 1 1 1				
PRGGRAM ELEMENT NUMBER 65712A 65715A 65801A			)		THOUSANDS OF DOLLARS	JF DOLLARS
65712A 65715A 65801A	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984
65715A 65801A	SUPPORT OF OPERATIONAL TESTING	ဖ	36, 119	42,584	50, 106	60,283
65801A	DEFENSE SYSTEMS MANAGEMENT COLLEGE	ω	1,144	203	202	201
	PROGRAM-WIDE ACTIVITIES	ω	51,693	63, 591	70, 101	72,037
248 65802A IN	INTL COOPERATIVE RESEARCH AND DEV	ω	645	086	1,041	1,093 U
249 65803A TE	TECHNICAL INFO ACTIVITIES	ω	3,588	4,628	5,249	6,179
250 65804A DA	DARCOM MAJOR RANGE/TEST FACIL	ω	239, 981	278,874	300,671	337,847 U
251 65805A ML	MUNITIONS-STANDARDIZATION EFFECT AND SAFETY	9	5,776	7,083	8,047	10,734
252 65806A DC	DØD HIGH ENERGY LASER SYSTEMS TEST FAC	ω		40,224	34,030	32,177
253 65807A MA	MAINSITE	60			17,119	38, 595
254 65872A PR	PRODUCTIVITY INVESTMENT FUNDING	ø		3, 889	34,139	21,658
255 65890A IN	INSTL AUDIOVISUAL SPT (R/D)	ω		2,278	2,344	2,408
256 65898A MG	MGT HQ (RESEARCH/DEVELOPMENT)	ω	30,758	39,717	45,304	49,007
DEFENSEWIDE	IDE MISSION SUPPORT		577,978		798,755	891,466
TOTAL RESEARCH	RESEARCH DEVELOPMENT TEST + EVAL, ARMY		3,124,274	3,609,535	4,484,000	5,284,734
					PAGE A-13	

NAVY

4

THE NAVY E PROGRAM
OF THE T & E F
DEPARTMENT 1983 R D
¥

EXHIBIT R-1

	SUMMARY		DATE: 0	FEB 1982
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS OF	DOLLARS
		FY	FY 1983	FY 1984
	241,418	276, 221	313,388	345,050
RESEARCH	461,328	493, 582	540,039	711,150
EXPLORATORY DEVELOPMENT	1,265,393	-	1,865,475	3,100,327
ADVANCED DEVELOPMENT	1,887,327	2,061,883	5,012,311	656,302
MANAGEMENT AND SUPPORT		226,300		1 1 1 1 1 1 1 1 1
	•		5, 333, 520	6,613,109
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	687, 724	900,686	898	1,133,402
OPERATIONAL SYSTEMS DEVELOPMENT	1 1 1 1 1 1		1 1 1	1
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	,024,	5, 807, 131	6, 232, 300	7,746,511
CHAMADY DECAP OF BUDGET ACTIVITIES				
	000	769.803	853,427	936, 167
	1.70%, 740	152, 186	165,122	242,849
ADVANCED TECHNOLOGY DEVELOPMENT	000,000	526,529	668,939	1,829,577
STRATEGIC PROGRAMS	3 107 230	3, 546, 340	3,678,085	3,671,319
TACTICAL PROGRAMS		•	247,806	400, 138
INTELLIGENCE AND COMMUNICATIONS	507,345	596,999	618,921	ဖ
DEFENSEWIDE MISSION SUPPORT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 (	746 B1
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,024,866	5,807,131	6, 232, 300	116,047,7
SUMMARY RECAP OF FYDP PROGRAMS				
	282,603	265,542	279,845	100, 110
STRATEGIC FORCES	280, 549	363,066	453, 701	508,712
GENERAL PURPOSE FORCES	123,357			6 6 1 2 109
INTELLIGENCE AND COMMONICATIONS DESENDED AND DEVELOPMENT (FYDP PROGRAM 6)	4,337,742	5,006,445	5,333,520	1,378
TRAINING MEDICAL AND GITHER		000,	- 1 - 1 - 1 - 1 - 1	1 1 1 1
NAV TENT + FOR THE NAV	024,	,807,	6, 232, 300	7,746,511

### DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

DATE: 08 FEB 1982

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

ACT FY 1981 FY 1982 FY 1983 FY 1984 FY 1983 FY 1983 FY 1984 FY 1983 FY 1983 FY 1984 FY 1983 FY 1984 FY 1983 FY 1983 FY 1984 FY 1983 FY 1984 FY		PAGE N-1		UNCLASSIFIED	CNO		
ACT FY 1981 FY 1982 FY 1983 FY 1983 FY 1983 FF	2,545 U	1,789	1,754	730	-	GICAL DEFENSE TECH	CHEM/BICLCGICAL/RADICLCGICAL DEFENSE
ACT FY 1981 FY 1982 FY 1983 FY 1984 FY	7,736 U	7,289	6,377	5,734	-		PERSONNEL & TRNG TECH
ACT FY 1981 FY 1982 FY 1983 FF	29,341 U	27,134	26,076	24,010	-	IOLEGEY	ELECTRONIC DEVICE TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983 FY	35,875 U	33,019	33, 121	29,777	-		MATERIALS TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983 FY 1984 FY 1984 FY 1984 FY 1984 FY 1984 FY 1984 FY 1985 FY	15,724 U	14,177	13,340	11,808	-	•	LOGISTICS TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983 FY 1984 FY 1984 FY 1984 FY 1984 FY 1985 FY	21,827 U	20,557	21,585	22,545	-	SUPPORT TECHNOLOGY	GCEAN/ATMOSPHERIC SUPPOR
ACT FY 1981 FY 1962 FY 1983 FY 1963   1 20,396 21,516 23,337 33   1 221,022 254,705 290,051 3   1 22,022 254,705 29,051 3   1 31,130 20,400 29,808   1 31,130 20,400 29,808   1 44,639 47,576 53,624   1 35,016 38,251 44,156   1 36,806 35,810 37,966   1 29,575 33,634 35,016   1 25,036 27,931 29,144   1 38,276 57,487 63,210 6	9,589 U	986 '8	10,619	10,061	-		BIOMEDICAL TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 31,130 20,400 29,808  1 44,639 47,576 53,624  1 35,016 38,251 44,156  1 36,806 35,810 37,966  1 29,575 33,634 35,016  1 35,381 29,161 30,577  1 38,276 57,487 63,210	8,447 U	8,035	6,487	5,863	-	ЕСН	HUMAN FACTORS/SIMULATION TECH
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 31,130 20,400 29,808  1 44,639 47,576 53,624  1 35,016 38,251 44,156  1 35,806 35,810 37,966  1 35,381 29,161 30,577	69,440 U	63,210	57,487	38,276	-		HIGH ENERGY LASER TECH
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 31,130 20,400 29,808  1 44,639 47,576 53,624  1 35,016 38,251 44,156  1 36,806 35,810 37,966  1 35,381 29,161 30,577	31,507 U	29,144	27,931	25,036	-		COUNTERMEASURES TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 44,639 47,576 53,624  1 35,016 38,251 44,156  0Y 1 29,575 33,634 35,016	35,609 U	30,577	29, 161	35, 381	-		COMMAND/CONTROL TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 31,130 20,400 29,808  1 44,639 47,576 53,624  1 35,016 38,251 44,156  1 36,806 35,810 37,966	36,593 U	35,016	33,634	29,575	-	SURVEIL TECH	62712N SURF/AEROSPACE TARGET SURVE
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 31,130 20,400 29,808  1 44,639 47,578 53,624  1 35,016 38,251 44,156	42,560 U	37,966	35,810	36,806	-	E TECH	62711N UNDERSEA TARGET SURVEILLANCE TECH
ACT FY 1981 FY 1962 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 44,639 47,578 53,624  1 35,016 38,251 44,156	31,079 U	25,064	25,022	21,526	*	ECHNOLOGY	62633N UNDERSEA WARFARE WEAPONRY TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 31,130 20,400 29,806	48,501 U	44,156	38,251	35,016	-		62543N SHIPS/SUBS/BGATS TECH
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616  1 31,130 20,400 29,808	58,735 U	53,624	47,578	44,639	-	<b>≻</b> 5	62542N NUCLEAR PROPULSION TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414  1 9,349 9,247 9,616	31,481 U	29,808	20,400	31,130	-	INGLOOY	62332N STRIKE WARFARE WEAPONRY TECHNOLOGY
ACT FY 1981 FY 1962 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051  1 28,657 24,297 27,414	9,864 U	9,616	9,247	9,349		·	62331N MISSILE PROPULSION TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983  1 20,396 21,516 23,337  1 221,022 254,705 290,051	31,865 U	27,414	24,297	28,657	-		62241N AIRCRAFT TECHNOLOGY
ACT FY 1981 FY 1982 FY 1983 F	318,860 U	290,051	254,705	221,022	_		61153N DEFENSE RESEARCH SCIENCES
FY 1981 FY 1982 FY 1983	26, 190 U	23, 337	21,516	20,396	-	EARCH	61152N IN-HOUSE LAB INDEPENDENT RESEARCH
	FY 1984 C	FY 1983	FY 1982	FY 1981	ACT		ELEMENT NUMBER 1 TEM NOMENCLATURE

1

EXHIBIT R-1	DATE: 08 FEB 1982
DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM	DATE: 08 FEB 1982
È	PRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

000	NO. I Y LOC						
5	AFFRORKIALION					THOUSANDS O	OF DOLLARS
1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1
N N N	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 198	FY 1982	FY 1983	FY 1984 C
		NULLCULEGO TATALANTA	-	6,550	7,443	6,451	6,728 U
22	62765N	-	-	8,859	11,967	12,091	12,310 U
23	62766N	LAB INDEPENDENT EXPLORATORY DEV			- 00 K	14.916	13,761 U
24	62768N	DIRECTED ENERGY TECHNOLOGY	-	1 000	769.803	853,427	936, 167
	TECHNO	TECHNOLOGY BASE		/02, /46			
			N	3,314	3,745	3,822	10,342
28	63202N	AVIGNICS	N	4,577	4,790		
56	63203N	ADV HELICOPIER DEV	0	4,654	4,684	7,094	9,616
27	63207N	ENVIRONMENTAL APPLICATIONS		14 504	066,8	10,113	10,182
28	63210N	ADV A/C PROPUL SYS			2.	3.483	2,752
28	63216N	AIRBORNE LIFE SUPPORT SYSTEMS	OJ.	4,521	7	0 00	11, 457
30	63217N	ADVANCED AIRCRAFT SUBSYSTEMS	N		4, 500	4, %	6 671
	MIRCOS	ATRORAFT SYSTEMS	N	5,930	3,744	, to 0.00 to 0	
,	110200		Ø	4,277	5,963	5,849	6, 635
35	63303N		0	5,389	3, 838	4,011	4,283
33	63306N		. (	0 871	4,262	2,923	3,233
34	63308N	A/A MSL ADV TECH DEMOS	u			20 457	34,471 U
33	63508N	SHIP PROPULSION SYSTEM	CI.	15, 798	18, 194		200
8	63526N	ADV COMPUTER TECH	a	5, 514	4,534	3,2/2	
)			N			6,767	20,734 0
37	63573N		0				
38	63574N			3,927	4,220	4,331	4,349
33	63609N	SURFACE LAUNCHED MUNIT	1 (	. 6	3,330	4,957	5,114
40	83654N	I JT SERV EXPLOSIVE ORD DEV	N		0	604	3,567 U
4	63701N	HUMAN FACTORS ENG DEV	C)	2,876	ה ה	PAGE N-2	

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM DATE: 08 FEB 1982

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

	これとののとし						
S S	EL EMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984
42	63704N	dCEANGGRAPHIC INSTRUMENTATION DEV	QI -	2,456	2,902	800	300
43	63706N	MEDICAL DEVELOPMENT	N	9,428	12, 234	60 60	068 6
44	63707N	MNPWR CONTROL SYS DEV	O.	3,129	2.773	6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6	00000
24	N802E9	ADVANCED MARINE BICLOGICAL SYSTEM	01	3,415	3,789	3,980	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
46	63710N	MAN-MACHINE TECHNOLOGY	N				1.413
47	63712N	ADV MODUL COMPON DEMONST	æ	1,020			
48	63713N	OCEAN ENGINEERING TECH DEVELOPMENTS	N	14,819	11,624	13, 194	22,171
49	63720N	EDUCATION AND TRAINING	N	4,742	3,691	3,496	4.438
20	63721N	ENVIRONMENTAL PROTECTION	. 04	2,913	6,693	8, 151	12.614
5	63722N	NAVAL SPECIAL WARFARE	Q	4,969	5,037	6,037	7.289 U
25	63727N	NAV TECH INFO PRESENT SYS	Q.	1,812	1,316	1.463	1.433
23	63728N	MANUFACTURING TECH	O.	4,754	3,657	3, 339	10.083
4	63732M	MC ADV MANPOWER TRAINING SYS	N	1,292	1,489	1,509	2 Sec. 9
20 28	63733N	TRAINING DEVICE TECH	N	5,975	7,950	7,389	8 055 0
26	63786N	ABN ELECTRO-MAG/OPT SYS	Q)		8,057	8.790	
22	63796N	ABN ELEC-MAG/OPT SYS	N	4,273			
28	63797N	SURF ELECTRO-MAGNETIC OPTICAL SYS	a	3,687			
9	64574N	TAC EMBEDDED COMPUTER PROG	Ø				

PAGE N-3

ACT FY 1981 FY 1982 FY 1983 FY				DEPARTMENT FY 1983 R D	MENT OF THE NAVY R D T & E PROGRAM		EX	EXHIBIT R-1
PROBABA   PROB			A PROGRADOU DEVELOPMENT TEST + EVAL.	•			DATE: 08	1
Participant	2	OPRIATION	2	1	i i i i	1 	THG	DOLLARS
Authorized   Aut	N D	PROGRAM ELEMENT NUMBER	1 TEM NOMENCLATURE		\ \ !	1	FY 1983	۲ 1984
SADONIN TRIDENT II MISSILE SYS   SADONIN TRIDENT II MISSILE SYSTEM   SADONIN SA	0		PROTO MPWR/PERSONNEL SYS	O	1		1	3
6937IN         TRIDENT II MISSILE SYS         3         96,683         239,232         366,701         1,413           6345IN         SPACE TECHNOLOGY         3         2,346         7,966         4,896         12           6358BN         SSBN SUB-SYSTEM TECHNOLOGY         3         13,808         4,896         4,896         12           6358BN         SMEATEGIC TECHNICAL SUPPORT         3         137,485         66,326         5,919         66,326           1122IN         FLEET BALLISTIC MISSILE SYSTEM         3         137,485         66,326         32,947         44           1122IN         FLEET BALLISTIC MISSILE SYSTEM         3         137,485         66,326         32,947         44           1122IN         FRIDENT I         3         76,295         101,950         90,565         13           11122IN         FXTRENELLY LOW FREGUENCY COMM         3         1,9,746         24,344         69,314         99           11402IN         HYDRUS         NYS STRATEGIC COMM         3         1,000         898         550         501           11402IN         HYDRUS         NYS STRATEGIC COMM         3         1,000         898         566,314         99           11402IN         HYD		ADVANC	ED TECHNÖLØGY DEVELÖPMENT		149,898	152, 186	165, 122	242, 848
SASION   STATESTIC TECHNOLOGY   3 2,346   7,966   12   12   122   122   13   13   14   14   14   14   14   14		. 10000		ტ	96, 683	239, 232	366, 701	1,413,550
63568N         SSBN SUB-SYSTEM TECHNOLIGGY         3         13,608         4,508         4,896         12           63758N         WWICCS ARCHITECTURE         3         5,362         5,330         5,919         6           65856N         WATATEGIC TECHNICAL SUPPORT         3         137,485         66,326         5,919         6           1122A         SSBN SECURITY PROBRAM         3         137,485         66,326         32,947         44           1122A         SSBN SECURITY PROBRAM         3         76,285         101,950         90,565         133           1122A         SSBN SECURITY PROBRAM         3         76,285         101,950         90,565         133           1140AN         EXTREMELY LOW FREQUENCY COMM         3         1,000         868         90,565         131           1140AN         HYDRUS         3         1,000         868         10,673         501           1140AN         HYDRUS         3         2,337         3,089         10,673         1,88           1140AN         HYDRUS         3         1,000         868         10,673         1,667         66,914         1,697           1142AZN         HYDRUS         33151N         WWICCS - ADP<	- 0	N 18458		ø	2,346	7,966		
63735N         WMMCCS ARCHITECTURE         3         596         862         903           6585SN         STRATEGIC TECHNICAL SUPPORT         3         5,362         5,310         5,919         6           1122IN         FLEET BALLISTIC MISSILE SYSTEM         3         137,485         66,326         32,947         44           1122AN         SSBN SECURITY PROBRAM         3         76,285         101,950         90,565         133           1122AN         TRIDENT I         3         76,285         101,950         90,565         133           11401N         EXTREMELY LOW FREQUENCY COMM         3         76,285         101,950         90,565         133           11402N         EXTREMELY LOW FREQUENCY COMM         3         1,000         888         1,000         888         10,673           11403N         HYDRUS         3         2,337         3,089         10,673         501           12427N         NAV SPASUR         3         2,337         3,089         10,673         10,490           13242N         AIRBORNE ASW DETECTION SYS         4         2,116         526,529         668,339         1,627           13250N         AIRBORNE ASW DETECTION SYS         4         2,116	1 (	63588N	SSBN SUB-SYSTEM TECHNOLOGY	0	13,808	4,508	4,898	12, 325
1122N   FLEET BALLISTIC MISSILE SYSTEM   3 137,485   66,326   32,947   44   44   44   44   44   44   44		63735N	WWMCCS ARCHITECTURE	0	296	862	808	956
11221N   FLEET BALLISTIC MISSILE SYSTEM   3   137,485   66,326   32,947   44   44   11224N   SSBN SECURITY PROGRAM   3   42,312   36,729   36,691   55   131   1401N   EXTREMELY LOW FREQUENCY COMM   3   15,746   24,344   69,314   91   1402N   NAVY STRATEGIC COMM   3   1,000   888   10,673   501   1402N   NAV SPASUR   33131N   MECN   3   1,000   888   10,673   501   12427N   NAV SPASUR   33131N   MECN   3   1,000   888   10,673   10,490   1,687   10,490   1,687   10,490   1,687   1,000   1,000   1	K		STRATEGIC TECHNICAL SUPPORT	ю	5,362	5,330	5,919	6,370
1122AN   SSBN SECURITY PROGRAM   3	g		FLEET BALLISTIC MISSILE SYSTEM	ო	137,485	66,326	32,947	43,613
11226N   TRIDENT I   3   76,295   101,950   90,565   131     11401N   EXTREMELY LOW FREQUENCY COMM   3   19,746   24,344   69,314   91     11402N   NAVY STRATEGIC COMM   3   1,000   808   10,673     11402N   NAVY STRATEGIC COMM   3   1,000   808   10,673     12427N   NAV SPASUR   3   2,337   3,089   10,673     33131N   MECCN   3   2,337   3,089   10,673     33151N   WWMCCS - ADP   404,779   526,529   668,939   1,82     63201N   AIRBORNE ASW DETECTION SVS   4   9,956   9,687   10,490     63206N   ABN ELECTRONIC WARFARE EQUIPMENT   4   1,209   4,965   9,654   2     63206N   VTX-TS   76,295	1 9		NASBN SPCURITY PROGRAM	e	42,312	36,729	36, 691	59, 766
11402N   NAVY STRATEGIC COMM		10000		ო	76, 295	101,950	90,565	137,081
11401N EXTREMELY LOW PREDICTION PARTICIPATION COMM   3   19,746   24,344   69,314   91     11402N NAVY STRATEGIC COMM   3   1,000   888   550   501     12427N NAV SPASUR   3   2,337   3,089   10,673     33131N MECN   33151N WWMCS - ADP	20		MARC SCANFILL THE STATE OF THE	6	5,226	34,755	49,827	54,262
11402N NAVY STRATEGIC COMM   3   1,000   888   501	O)		EXTREMELY LOW TREGOENCY COMM.		19.748	24,344	69,314	99,542
11403N HYDRUS	0		NAVY STRATEGIC COMM	•		888		
12427N NAV SPASUR	7	11403N	HYDRUS	ຕີ	0,000			· C
33131N MEECN 33151N WWMCCS - ADP 33151N WWMCCS - ADP 37151N WWMCCS - ADP 37151N WWMCCS - ADP 37151N WWMCCS - ADP 4704,779 526,529 668,939 1,82 63201N AIRBGRNE ASW DETECTION SYS 63206N ABN ELECTRONIC WARFARE EQUIPMENT 63206N VTX-TS 63208N VTX-TS 7004	2		NAV SPASUR	က	539	220	501	000
33151N WWMCCS - ADP	1 6		Z C C I	e	2,337	3,089	10,673	1,591
STRATEGIC PROGRAMS   1,820	3			C.	1.044			
STRATEGIC PROGRAMS  63201N AIRBORNE ASW DETECTION SYS  63206N ABN ELECTRONIC WARFARE EQUIPMENT  63206N VTX-TS  7 1,209 4,985 9,654 2  63208N VTX-TS	74		1	>		1	1	1.829.57
63201N AIRBÖRNE ASW DETECTION SYS       4       2,116         63206N ABN ELECTRONIC WARFARE EQUIPMENT       4       9,958       9,687       10,490         63206N VTX-TS       4       1,209       4,985       9,654       2		STRAT	EGIC PROGRAMS		404,779	926, 928		
63206N ABN ELECTRONIC WARFARE EQUIPMENT 4 9,958 9,687 10,490 63206N VTX-TS PAGE N-4	L R			4	2,116			
63208N VTX-TS 9,654			ABN ET FOTEGNIC WARFARE	4	9,958	9,687	10,490	7,353
63208N VIX-IS PAGE	2			4	1,209	4,985	9,654	24,076
	7							

UNCLASSIFIED

08 FEB 1982

EXHIBIT R-1

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

E C 3,326 U 2,470 U 6,118 U 7,755 U 11,406 U 43,185 U  $\supset$ 19,924 U 6,669 U 16,800 U J 12,843 U **>** FY 1984 4,592 24,904 2,669 2,075 16,471 58, 167 THOUSANDS OF DOLLARS FY 1983 1,493 5,732 7,258 4,162 6,700 8,622 5,670 6, 541 36,284 4,992 3,994 21,566 14,169 41,999 10,864 6,694 5,000 5, 323 10,000 9,508 FY 1982 5,019 6,284 5,651 4,601 5,896 4,639 2,488 2,267 20,635 8,015 3,218 39,578 2,723 12,338 6,543 3,838 1,476 2,084 3,577 2,499 2,238 3,795 3,553 1981 4,304 2,500 4,473 5, 193 5,216 19,027 ᄉ ACT 1 TACTICAL AIRBORNE RECONNAISSANCE ACFT SURVIVABILITY/VULNERABILITY UNDERWATER WEAPONS ACCEPT TEST AIRBORNE MINE COUNTERMEASURES I TEM NOMENCLATURE COMBAT IDENTIFICATION SYS NATO CROSS CERTIFICATION TAC COMD/CNTRL/COMM C/M ACCUSTIC SEARCH SENSCRS AH-1T COMP ROTOR BLADE COMMON ASW STOOFF WPN ADV A/C ARMAMENT SYS WEAPONIZING (PROTO) ARMY/NAVY SAM TECH HELICOPTER IR C/M V/STOL ACFT DEV TILT FAN VSTÖL TACAIR IR C/M CV ASW MODULE IIR MAVERICK AIR ASW AV-8B PROGRAM ELEMENT NUMBER 63209N 63212N 63213N 63219N 63220N 63221N 63228N 63230N 63254N 63257N 63259N 63214N 63260N 63261N 63262N 63266N 63267N 63313N 63318N 63358N 63367N LINE 80 82 83 84 85 88 81 86 87 89 90 92 93 98 94 95 96 97 91

N-N

PAGE

Part   1919			¥	1983 R D	R D T & E PROGRAM	АМ	EX	EXHIBIT R-1
TOWAHAWK II  BYR AAM  GUIDED MUNITIONS LAUNCHER  BOAAAC  VERY HIGH SPEED INTEG CIRCUITS  BYR AAM  GUIDED MUNITIONS LAUNCHER  GUID	Č	14 000	1910 N BESEARCH DEVELOPMENT TEST + EVAL.	λΛ.			DATE: 08	
STATE   STAT		2014		:		1 1 1 1 1 1 1 1 1	THOUSANDS	
63362N         BVR AAM         4         22,569         19,000         19,900         19,700         19,700         19,700         19,700         19,700         19,700         19,700         19,700         19,700         19,726 U         U           63362N         BOLIDED MUNITIONS LAUNCHER         4         22,509         4         22,509         12,726 U         U           63362N         VERY HIGH SPEED INTEG CIRCUITS         4         7,687         6,062         5,739         12,726 U         U           63802N         VERY HIGH SPEED INTEG CIRCUITS         4         7,687         6,062         5,739         5,621 U         U           63802N         SURFACE MCM         4         22,289         40,647         31,572         25,389 U	LI NE		. I TEM NOMENCLATURE	ı	£	FY 1982	FY 1983	FY 1984
6332NN         BNF AAM         C2,508           6332RN         GUIDED MUNITIONS LAUNCHER         4         22,508           6332RN         VERY HIGH SPEED INTEO CIRCUITS         4         7,687         6,062         5,783         12,726 L           63020N         NEFACER PROPULSION PLANTS         4         22,268         40,547         31,572         25,389 L           63020N         NEFACE MCM         4         22,288         40,547         31,572         25,389 L           6302N         NEFACE MCM         4         22,288         40,547         31,572         25,389 L           6302N         NEFACE SHIP TORP DEF         4         35,031         45,523         19,371         2,034 L           6350N         NEFACE SHIP TORP DEF         4         35,031         4,312         5,281 L           6351N         SHFDOARD DARAGE CONTROL         4         5,124         5,281 L         5,281 L           6351N         SHIPBOARD DARAGE CONTROL         4         5,124         5,381 L         6,371 L         5,281 L           6351N         ADVANCED IDENTIFICATION TECHNIQUES         4         5,124         5,384 L         15,452 L         13,710 L           6352N         ADVANCED COMMUNICATIONS <td< td=""><td>CS CS</td><td>63369N</td><td></td><td>4</td><td>22,548</td><td>19,000</td><td>19,900</td><td></td></td<>	CS CS	63369N		4	22,548	19,000	19,900	
6338IN         OUIDED MUNITIONS LAUNCHER         4         7,687         6,062         5,783         12,726 U           6336ZN         VERY HIGH SPEED INTEG CIRCUITS         4         7,687         6,062         5,783         12,726 U           6350ZN         SURFACE MCM         4         22,286         40,547         31,572         25,380 U           6350ZN         SURFACE MCM         4         3,546         2,661         2,741         5,580 U           6350ZN         SURFACE MCM         4         3,546         2,661         2,741         5,580 U           6350ZN         SURFACE MCM         4         3,646         2,611         5,580 U         20,034 U           6350AN         SURFACE SHIP TGRP DEF         4         3,646         2,611         5,741         5,580 U           6350AN         SURFACE SHIP TGRP DEF         4         3,647         7,900         4,911         5,0034 U           6350AN         SURFACE SHIP TGRP DEF         4         5,124         5,281         13,710 U           6351AN         SHIPBOARD SYS COMPONENT DEVELOPHENT         4         5,124         5,447         5,437           6351AN         ALIPBOARD SYS COMPONENT DEVELOPHENT         4         2,3941         16,	90	63370N	BVR AAM	4	22, 509			כ
63362N         BOAMUC         4         7,687         6,062         5,783         12,726 U           6342N VERY HIGH SPEED INTEG CIRCUITS         4         7,687         6,062         5,783         5,621 U           6350N SURFACE MCM         SURFACE MCM         4         22,288         40,547         31,572         25,389 L           6350N SURFACE MCM         SURFACE MCM         4         3,546         2,661         2,741         5,589 L           6350N SURFACE SHIP TORP DEF         4         35,031         45,523         18,371         20,034 L           6350N NEW SHIP DESIGN         4         5,124         8,142         15,452         13,710 L           6351N SHIPBOARD DAMAGE CONTROL         4         5,124         8,142         15,452         13,710 L           6351N SHIPBOARD DAMAGE CONTROL         4         5,124         8,142         15,452         13,710 L           6351N SHANCED IDENTIFICATION TECHNIQUES         4         5,124         8,142         15,452         13,710 L           6351N SHANCED COMMUNICATIONS         4         23,941         18,659         2,247         7,790 L           6351N SHANCE ELEC MARFARE         4         3,911         8,915         4,412         5,028 <t< td=""><td>10</td><td>63381N</td><td>GUIDED MUNITIONS LAUNCHER</td><td>4</td><td></td><td></td><td></td><td>D</td></t<>	10	63381N	GUIDED MUNITIONS LAUNCHER	4				D
GBGDIN         REACTOR PROPULSION PLANTS         4         7,687         6,062         5,783         5,621 L           GBGDIN         SUFFACE         COMMUNICATION PLANTS         4         22,288         40,547         31,572         25,389 L           GBGDAN         SUFFACE         COMMUNICATIONS         4         22,288         40,547         31,572         25,389 L           GBGDAN         SUFFACE         COMMUNICATIONS         4         3,546         2,661         2,741         5,589 L           GBGDAN         SUFFACE         SHIP DESTAIN         4         16,994         7,900         4,911         6,037 L           GBGDAN         SUFFACE         SHIP DESTAIN         4         16,994         7,900         4,911         6,037 L           GBGDAN         SUFFACE         SHIP DESTAIN         4         16,994         7,900         4,911         6,137 L           GBGDAN         SHIP DESTAIN         4         5,124         6,142         15,432         13,710 L           GBGDAN         SHIP DESTAIN         4         5,124         6,142         15,447         5,247         7,201           GBGDAN         SHIP DEAGNE DENGE CONTROL         4         23,941         18,659         23,44	02	63382N	BGAAWC	4			6,458	
63502N         SURFACE MCM         4         7,687         6,062         5,783         5,621 L           63502N         SURFACE MCM         4         22,288         40,547         31,572         25,389 L           63502N         SURFACE MCM         4         3,546         2,661         2,741         5,589 L           63503N         SUBMARINE SCHAR DEV         4         35,646         2,661         2,741         5,589 L           63503N         SUBMARINE SCHAR DEV         4         35,041         45,523         18,371         20,034 L           63503N         SUBFACE SHIP TORP DEF         4         5,124         7,900         4,911         6,437 L           63513N         SHIPBOARD DAMAGE CONTROL         4         5,124         8,142         15,452         13,710 L           63515N         SHIPBOARD DAMAGE CONTROL         4         22,941         18,659         2,3659         21,634 L           63515N         ADVANCED COMMAND DATA SYSTEMS         4         3,811         4,412         5,026           6352N         ADVANCED COMMAND CATIONS         4         3,915         4,412         5,026           6352N         ADV SUBS SUPT EQUIP PROG         4         5,033         3,915	03	63452N	VERY HIGH SPEED INTEG CIRCUITS	4				2
63502N         SUFFACE MOMINICATIONS         4         22,288         40,547         31,572         25,389         45,589         46,384         46,347         35,389         47,141         55,389         48,389         48,384         48,583         18,371         55,389         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,589         48,147         5,281         5,281         6,437         5,281         6,437         5,281         6,437         5,281         6,437         <	0	83501N	REACTOR PROPULSION PLANTS	4	7,687	6,062	5,783	
6350AN         COUNTIC COMMUNICATIONS         4         3,546         2,661         2,741         5,599           6350AN         SUBMARINE SONAR DEV         4         35,031         45,523         18,371         20,034           6350AN         SUBMARINE SONAR DEV         4         16,994         7,900         4,911         20,034           6350AN         NEW SHIP DESIGN         4         5,124         8,142         15,452         13,710           6351AN         SHIPBGARD SYS COMPONENT DEVELOPMENT         4         23,941         18,659         23,659         13,710           6351AN         SHIPBGARD DAMAGE CONTROL         4         23,941         18,659         23,659         13,710           6351AN         ADVANCED IDENTIFICATION TECHNIQUES         4         23,941         18,659         2,247         772           6351AN         ADVANCED COMMAND DATA SYSTEMS         4         3,911         2,247         772           6351AN         ADVANCED COMMUNICATIONS         4         5,033         3,915         4,412         5,026           6352AN         ADVANCED COMMUNICATIONS         4         5,033         3,915         4,412         5,026           6352AN         SUBFCS         ADVALE         <	E	RABOON		4	22,288	40,547	31,572	25, 389 U
6350AN         SUBMARINE SONAR DEV         4         35,031         45,523         16,371         20,034           6350AN         SURFACE SHIP TORP DEF         4         16,994         7,900         4,911         5,281 (           6350AN         NEW SHIP DESIGN         4         5,124         6,142         15,452         13,710 (           6351AN         SHIPBOARD SYS COMPONENT DEVELOPMENT         4         5,124         6,142         15,452         13,710 (           6351AN         SHIPBOARD DAMAGE CONTROL         4         23,941         16,659         23,659         21,834 (           6351AN         SHIPBOARD DAMAGE CONTROL         4         23,941         16,659         23,659         21,834 (           6351AN         ADVANCED IDENTIFICATION TECHNIQUES         4         3,810         2,247         772 (           6351AN         ADVANCED COMMAND DATA SYSTEMS         4         3,911         4,412         5,026 (           6352AN         ADVANCED COMMANDICATIONS         4         3,915         4,412         5,026 (           6352AN         ADV SUB SUPT EQUIP PROG         4         11,889         39,707         5,026 (	90	63B03N	ACCUSTIC COMMUNICATIONS	4	3,546	2,661	2,741	5, 599 U
63506N         SURFACE SHIP TGRP DEF         4         16,994         7,900         4,911         5,281 to           63503N         NEW SHIP DESIGN         4         16,994         7,900         4,911         6,437 to         6,437 to         6,437 to         6,437 to         6,437 to         6,437 to         15,452         13,710 to         13,710 to         13,710 to         1,452         13,452         13,710 to         1,432         13,452         13,710 to         1,432         13,410 to         1,432         1,432         13,710 to         1,432         1,634         1,432         1,634         1,634         1,634         1,432         1,634 <t< td=""><td>07</td><td>63504N</td><td>SUBMARINE SONAR DEV</td><td>4</td><td>35,031</td><td>45, 523</td><td>18,371</td><td>20,034 U</td></t<>	07	63504N	SUBMARINE SONAR DEV	4	35,031	45, 523	18,371	20,034 U
6350AN         NEW SHIP DESIGN         4         16,994         7,900         4,911         6,437 II           6351AN         SHIPBOARD SYS COMPONENT DEVELOPMENT         4         5,124         8,142         15,452         13,710 II           6351AN         SHIPBOARD DAMAGE CONTROL         4         23,941         18,659         23,659         21,834 II           63515N         ADVANCED IDENTIFICATION TECHNIQUES         4         23,941         18,659         2,247         772 II           63515N         ADVANCED COMMAND DATA SYSTEMS         4         362         2,359         4,412         5,026           6352N         ADVANCED COMMUNICATIONS         4         3,911         5,033         3,915         5,026           6352N         ADV SUB SUPT EQUIP PROG         4         5,033         3,915         5,026         6,026           6352AN         SUBPCS         ADVANCED COMMUNICATIONS         4         5,033         3,915         5,026	, d	RACER	11P TORP	4			2,447	5,281 U
63513N         SHIPBGARD SYS COMPONENT DEVELOPMENT         4         5,124         8,142         15,452         13,710           63513N         SHIPBGARD DAMAGE CONTROL         4         23,941         18,659         23,659         21,834           63513N         ADVANCED IDENTIFICATION TECHNIQUES         4         992         3,810         2,247         772           63513N         ADVANCED COMMAND DATA SYSTEMS         4         362         2,359         4,412         5,026           6352N         ADVANCED COMMAND DATA SYSTEMS         4         3,911         5,033         3,915         5,026           6352N         ADVANCED COMMUNICATIONS         4         3,915         5,033         3,915         5,026           6352N         ADV SUB SUPT EQUIP PROG         4         5,033         3,915         5,026           6352AN         SUBPCS         ADVANCED COMMUNICATIONS         4         11,889         39,707	9 0	NOONE		4	16,994	7,900	4,911	6,437 U
63514N         SHIPBGARD DAMAGE CONTROL         4         23,941         18,659         23,659         21,834           63515N         ADVANCED IDENTIFICATION TECHNIQUES         4         992         3,810         2,247         772           63516N         RADAR SURVEILLANCE EG         4         362         2,359         4,412         794           63519N         ADVANCED COMMUNICATIONS         4         3,911         4,412         5,026           6352N         ADVANCED COMMUNICATIONS         4         3,911         5,033         3,915         5,026           6352N         ADV SUB SUPT EQUIP PROG         4         5,033         3,915         5,026           6352N         ADV SUB SUPT EQUIP PROG         4         11,889         39,707           6352N         SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL         4         11,889         39,707	9 9	Ne. 1 Re A	SHIPBGARD SYS COMPONENT DEVELOPMENT	4	5, 124	8,142	15,452	13,710 U
63515N         ADVANCED IDENTIFICATION TECHNIQUES         4         992         3,810         2,247         772           63515N         ADVANCED IDENTIFICATION TECHNIQUES         4         362         2,359         4,412         734           63519N         ADVANCED COMMUNICATIONS         4         3,911         5,026         6,026           63520N         ADVANCED COMMUNICATIONS         4         5,033         3,915         5,026           63522N         ADV SUB SUPT EQUIP PROG         4         5,033         3,915         5,026           6352AN         SUBPCS         4         11,889         39,707         PAGE N-6	2 :	20 00	CLIPPEARD DAMAGE CONTROL	4	23,941	18,659	23,659	21,834 U
63516N         RADAR SURVEILLANCE EQ         4         362         2,359         4,412         5,026           63519N         ADVANCED COMMAND DATA SYSTEMS         4         3,911         4         5,026           6352N         ADVANCED COMMUNICATIONS         4         5,033         3,915         5,026           6352N         SURFACE ELEC WARFARE         4         5,033         3,915         5,026           6352N         ADV SUB SUPT EQUIP PROG         4         11,889         39,707           6352AN         SUBPCS         4         11,889         39,707	- 9	2 2 2	ADVANCED IDENTIFICATION TECHNIQUES	4	882	3,810	2,247	772 U
63519N ADVANCED COMMAND DATA SYSTEMS         4         3,911         5,026           63520N ADVANCED COMMUNICATIONS         4         3,911         5,026           63521N SURFACE ELEC WARFARE         4         5,033         3,915           63522N ADV SUB SUPT EQUIP PROG         4         5,033         3,915           63523N SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL         4         11,889         39,707           63524N SUBPCS         4         11,889         39,707	u (	2000		4				794 U
6352N ADVANCED COMMUNICATIONS 6352N ADV SUB SUPT EQUIP PROG 6352N SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL 4 11,889 39,707 63524N SUBPCS 63524N SUBPCS	2 2	NO LECA	ADVANCED COMMAND DATA SYSTEMS	4	362	2,359	4,412	5,026 U
63521N SURFACE ELEC WARFARE       4       5,033       3,915         63522N ADV SUB SUPT EQUIP PROG       4         63523N SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL 4       11,889       39,707         63524N SUBPCS       4       11,889       PAGE N-6	1 10	63520N	ADVANCED COMMUNICATIONS	4	3,911			D
63522N ADV SUB SUPT EQUIP PROG 63523N SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL 4 63524N SUBPCS 63524N SUBPCS	9	63521N	SURFACE ELEC WARFARE	4	5,033	3,915	,	5
63523N SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL 4 63524N SUBPCS PAGE N-6	117	63522N	ADV SUB SUPT EQUIP PROG	4				
63524N SUBPCS 4 11,889 39,707 PAGE N-6	118			4				D
PAGE	9		SUBPCS	4	11,889	39,707		<b>5</b>

UNCLASSIFIED

# DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

	LAGE NI		LINCI ASSIFIED	2		
6,091 U		4,594	4,016	4	SHIPBGARD PHYSICAL SECURITY	63571N
15,166 U	11,536	060 '6	5,226	4	ADV REACTOR COMPONENTS/SYS DEV	63570N
20,974 U	10,959	4,968	28,908	4	ATTACK SUBMARINE DEV	63569N
3,129 U	2,786	3,962	2,968	4	COMBAT SYSTEMS ARCH	63568N
8,139 U	10,437	9,240	14,362	4	AMPHIB ASSAULT CRAFT	63566N
26,857 U	18,810	9,994	28, 632	4	SHIP CONFORM	63564N
17,033 U	7,032	98,415	91,943	4	SUB TACTICAL WARFARE SYS	63562N
54,342 U	44,413	53, 563	34,079	4	SUBMARINES	63561N
4,715 U	4,408	5,883	6,030	4	SURFACE ASW	63553N
5		2,500	497	4	DIESEL ELEC SUB	63540N
4,158 U	13,017	17,945	8,468	4	RETRACT AMBER	63539N
105,644 U	94,365	63,446		4	RETRACT SILVER	63537N
<b>.</b>				4	STANDOFF JAMMER SUPPRESSION	63536N
כ			23,300	4	SEA BASS	63535N
כ				4	SURFACE EFFECT SHIPS	63534N
1,672 U	1,749	086 6	5,933	4	SHIPS SYSTEMS ENGINEERING STANDARDS	63532N
5		955	1,533	4	HY 130 STEEL (NEW SSN MATERIAL)	63531N
<b>)</b>		16, 353	8,790	4	OVER-THE-HORIZON TARGETING	63530N
10,684 U	3,919	832	759	4	ADV ASW TARGET	63529N
15,053 U	11,533	11,164	12,984	4	NON-ACOUSTIC ASW	63528N
99,766 U	93, 823	57,388	34,817	4	PILOT FISH	63525N
FY 1984 C	FY 1983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	PROGRAM ELEMENT NUMBER
	THOUSANDS OF DOLLARS					

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

			NAVY			DATE:	08 FEB 1982
PPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT 1501			1 1	THOUSANDS OF	GF DOLLARS
LINE		THEM NOMENCLATURE	ACT	FY 1981	FY 1982	F 1983	FY 1984
2	NUMBER			1 C			ס
141	63575N	SPECIAL TEST SYSTEMS	1			6.401	13,896 U
142	63576N	CHALK EAGLE	4				
67	A2878N	A4W/AIG NUCLEAR PROP PLANT	4	10,624	11,849	12,238	12,706 0
7	NOTHER	DOW NUCLEAR PROP REACTOR	4	11,025	10,449	756 6.	0,339 U
1 1		ANY DESIGN SUB NUCLEAR PROP	4	2,500			5
04	Noocco	NETHORD NUMBER AND ADD	4	988	7,340	17,138	19,330 U
146			4	75,300	100,844	138,595	117,614 U
147			4			23,614	14,707 U
148		WIDE APERIORE ANAL ADV	٧	21,098	13,934	5,555	6,119 U
149	63601N	MINE DEVELOPMEN	S		A14 A01	56.784	4,220 U
150	63610N	ALWT ADV	4	98, 929	100,41		
K	63611M	MC ASSAULT VEHICLES	4	38, 591	56,299	73,414	85, 805
5			4	792	723	3,464	4,183 U
52		AC NOCLEAR SECTOR OF SECTO	4	2,401	3,336	7,812	4,341 U
153		ARIO	. 4			20,483	
134	63691N	MK-48 ADCAP (ADV)	r	0	8	2,320	2,257 U
155	63702N	OCEAN ENGINEERING SYS DEVELOPMENT	4	3000	10 C C C	3 339	
156	63705N	LOGISTICS	4	6, 788	212,21		
187	63708N	ANTI-SUB WARFARE SIGNAL PROCESSING	4	10,138	7,626	5,202	
			4	3,661	3,896	4,551	6,678
20			4	10,452	8,780	24,106	5 20,327
159			4	1,336	8,045	6,067	_
160			4	16.743	17,478	21,504	4 31,487
161	63724N	NAVY ENERGY PROGRAM				PAGE N-8	

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST	+ EVAL, NAVY			DATE: 08	DATE: 08 FEB 1982
; ; ;		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			THOUSANDS OF DOLLARS	DOLLARS
LINE							n Li
2	NUMBER	I TEM NOMENCLATURE	ACT:	FY 1981	FY 1982	FY 1983	FY 1984 C
162	63725N	FACILITIES IMPROVEMENT	4	3,230	3,194	8, so 18	9,064 U
163	63726N	MERCHANT SHIP NAVAL AUG PROG (MSNAP)	4			5,773	5, 690 U
164	63729M	MC COMBAT SERVICE SPT	4	1,003	3,122	4,410	5,931 U
165	63730M	MC INTEL/ELEC WARFARE SYS	4	Ø	2,209	7,024	6,242 U
166	63731M	MC COMD/CNTRL/COMM SYS	4	283	1,490	2,753	494 U
167	63734N	DEFENSE SUPPRESSION	4	291			5
168	63736N	STRIKE WARFARE TECHNOLOGY	4	1,350			כ
169	63737N	LINK HAZEL	4			42,760	9,870 U
170	63763N	ITSS	4	14,000	11,965	17,834	107,293 U
171	63784N	ASW SURVEILLANCE (C)	4		1,235	1,284	4,280 U
172	63785N	LRAP	4		10,814	12,578	16,898 U
173	63787N	SPECIAL PROCESSES	4		46,337	72,523	68,923 U
174	63788N	RDSS	4	13,348	6,763	19,312	21,646 U
175	63794N	ASW SURVEILLANCE	4	3,149			5
176	63795N	LRAP	4	10,340			5
177	63798N	SPECIAL PROCESSES	4	26,041			5
178	64203N	AVIONICS DEVELCPMENT/VAST	4	8,881	12,501	8,960	3,022 U
179	64211N	AIMS/ATCRBS/MARK XII	4	3,152	4,363	6,228	8,650 U
180	64212N	LAMP III	4	100,842	72,588	6,977	ס
181	64213N	HELICOPTER DEVELOPMENT	4	4,932	10,057	26,560	11,568 U
182	64214N	AV-8B AIRCRAFT	4	236, 371	226,413	114,071	67,133 U
			2	C L	ā.	PAGE N-9	

UNCLASSIFIED

THE NAVY	PRGGRAM
ØF THE	⊢ & П
	<u>م</u>
DEPARTMENT	1983
	FY

EXHIBIT R-1

			NAW IAVA			DATE: 08 FEB	FEB 1982
PPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT LEST			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOL	F DØLLARS
1			.,!		080	FY 1983	984
Z S	NUMBER	I TEM NOMENCLATURE	ACT			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1
0	S S S S S S S S S S S S S S S S S S S	SUPPORT EQUIPMENT	4	6,903	6,947	8,700	8,837 U
2			4				<b>5</b>
184	64216N	RECONNAL SURANCE STO	4	14,738	41,702	78,344	55,733 U
188	64217N	S-3 WEAPONS SYS IMPROVEMENT		, NO.	481	356	U 262
186	64218N	ENVIRONMENTAL SYSTEMS		0	500	25, 539	32,148 U
187	64219N	AIRBORNE ASW DEV	4			2. 8.	1.598 U
9 0	NOCCES	ACET IR SIGNATURE SUPPRESSION	4	1,322	1,400	2	
	N 10070	P-3 MODERNIZATION PROG	4	29,649	18,636	21,598	24,357 U
0		MC7 11 11 11 11 11 11 11 11 11 11 11 11 11	4	1,308			<b>&gt;</b>
00	84224N		4	2.647	383		ם
191	64225N	ADV RADAR WARNING SYS			000	20 331	15.068 U
192	64226N	ASPJ	4	28, 137	23, 665		
193	64227N	HARPGON MODIFICATION	4			7	
			4			9,868	43, 334
84	64220IA		*				<b>D</b>
195	64254N	CH-46E RANGE EXT TANKS	•			13.394	16,931
196	64255N	AIR ELECTRONIC WARFARE	4	10,206			
			4	8,006	10,941	11,201	
8			4	19,344	18,121	14,600	4,801 U
188	64261N	ACCOS 11C SEARCH	4			9,522	24,094 U
199	64262N		4	170,856	190,000	109,224	5
200	64283N	F/A-18	, ,	9	10.674	6,902	7,284 U
201	64264N	I LIFE SUPPORT EQUIP	4	0		, c	
202	64266N	ADV SIGNAL PROCESSOR	4	7,199	2,000	6,020	
			4	24,218	4,206	6,978	8,0 '8
KOS						PAGE N-10 .	

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

			FY 1983	R D T & E PROGRAM		EX	EXHIBIT R-1
APP	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE: 08	FEB 1982
			1			THOUSANDS OF	DOLLARS
N O	RLEMENT	ITEM NOMENCLATURE	ACT	FY 1981 F	FY 1982	FY 1983	FY 1984 C
204	64268N	ACFT ENGINE COMPONENT IMPROVE PROG	4	71,202	82,338	89,486	11 029 96
202	64301N	MK-92 FCS UPGRADE	4		17,701	9,628	
206	64303N	AEGIS	4	16,807	34, 196	8,138	
207	64304N	CSEDS	4	26, 262	16,056	12, 232	5,558 U
208	64306N	PENGUIN COMBAT DEV	4	5,892	3,658	1,623	477 U
209	64307N	CG-47 AEGIS PRODUCT IMPROV	4			45, 147	61,056 U
210	64314N	AMRAAM	4		4,994	4.714	1918
211	64352N	SURFACE LAUNCHED WEAPONRY SYS TECH	4	38, 352	42,505	3,413	3.379 [
212	64353N	VERTICAL LAUNCHING SYSTEM	4	67,672	70,424	33,878	
213	64354N	AIR/AIR MSL SYS ENGR	4	37,062	35, 350	23,844	
214	64358N	CLOSE-IN WPN SYS (PHALANX)	4	2,105	1,371	1,387	1.32b U
213	64360N	HI-SPEED ANTI-RADIATION MSL	4	72,641	20,898	1,932	1.976 U
216	64361N	NATO SEA SPARROW	4	3,507	3,467	1,067	) }
217	64365N	SM-2	4	4,000	13, 193	18,810	18,763 U
218	64366N	STANDARD MISSILE IMPROVEMENTS	4	64,618	50, 592	50,789	62.391 U
219	64367N	TOMAHAWK CRUISE MSL	4	133,922	141,735	78,934	
220	64369N	5\ ROLLING AIR FRAME MSL	4	14,040	19,488	16,290	
221	64370N	SSN-688 VLS	4	8,916	37,486	35,362	
222	64371N	HELLFIRE	4	í		. 0 . 0 13 13	
223	64372N	NEW THREAT UPGRADE	4			41,881	41.598 U
224	64373N	TARTER SM-2	4	-			
							,

PAGE N-11

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

000		1319 N RESFARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE: 08	
						HØUSA	i
			!	: . : : : : : : : : : : : : : : : : : :	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	о ш
L I NE	ELEMENT	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
000	64375N	SPY-18 RADAR	4				D
200		C I	4				D
227		SUBMARINE COMMUNICATIONS	4	8,353	7,187	5,584	8,314 U
228	64503N	SUBMARINE SONAR DEV	4	32,026	40,403	41,770	36, 583 U
229	64504N	AIR CONTROL	4	8,066	9, 591	9,251	24,163 U
230	64505N	SSN INTEGRATED COMM CENTER SYS	4		5,820		ח
231	64506N	CW COUNTERMEASURES	4	3,710	7,740	8,357	966,8
232	64507N	ENGD	4			14,497	15,257 U
60	64508N	RADAR SURVEILLANCE EG	4	11,036	15,409	10,488	N 996'8
23.4	64510N	-	4	5,456	3,178	4,693	238 U
238	64511N	INTELLIGENCE SYSTEMS	4	2,262	2,708	2,478	5,208 U
236	64515N	SUB SUPT EQUIP PROG ENG	4			!	
237	64516N	SHIP SURVIVABILITY PROTOTYPES	4			4,775	7,809 U
238	64518N	CIC CONVERSION	4	5,937	9,420	27,014	23,148 U
239	64519N	COMBAT SYS INTERFACE	4				<b>5</b>
240	64524N	SUBACS ENG	4		29,664	85,937	137,515 U
241	64526N		4		15,000		ס
242		SURFACE ELEC WARFARE	4	11,398	8,540	6,673	11,245 U
243		SUBMARINES	4	1,699	2,041	1,950	2,229 U
244	64562N	SUB TACTICAL WARFARE SYS	4	33,768	95,242	32,598	34,720 U
245		ACCUSTIC COMMUNICATIONS	4	3,229	5,099	4,696	2,650 U
						PAGE N-12	
			•				

## DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

28,39 20,18 2,85	28,394 20,181 2,857 6,577 3,81	28,394 20,181 2,852 6,572 46,258 3,812 9,237 25,699 4,468	28, 394 20, 181 2, 852 6, 572 46, 258 3, 812 25, 699 4, 468 2, 464 11, 518 7, 620	FY 1984 C 28,394 U 20,181 U 2,852 U 6,572 U 4,258 U 25,699 U 25,699 U 2,464 U 11,518 U 7,620 U 22,962 U
	16, 704 15, 505 9, 882 20, 089 3, 226 3, 008	15, 505 9, 882 20, 089 32, 838 3, 226 3, 009 2, 736 12, 736	15, 505 9, 882 20, 089 32, 838 3, 226 3, 009 27, 888 12, 736 2, 314 6, 395 1, 699	15, 505 9, 882 20, 089 3, 226 3, 009 12, 736 12, 736 1, 699 18, 316
15,984 10,629	15,984 10,629 15,862 27,889 41,746 4,553 3,728 1,985	15,984 10,629 15,862 27,889 4,746 4,553 3,728 1,985	15,984 10,629 15,862 27,889 41,746 4,553 3,728 1,985 2,047 5,069 5,505	15,984 10,629 15,862 27,889 4,746 4,553 3,728 1,985 6,069 2,047 1,249
9,476	9,476 24,624 13,681 2,908 2,010	9,476 24,624 13,681 2,908 2,010 2,615 62,291	9,476 24,624 13,681 34,428 2,908 2,010 2,615 62,291 1,329 1,030	9,476 24,624 13,681 34,428 2,908 2,010 2,615 62,291 1,329 1,329 1,030 6,769
•	4 4 4 4 4 4	4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
		ACQ		A A C O
	2 11 11	DEV NG DEV PT RE SYS SYS 85	DEV NG DEV RE SYS SYS 85	DEV NG DEV PT RE SYS SYS 85 LGIT TGT S CTRUM MG
	WARFARE TNG DE FACE WARFARE TI MARINE WARFARE COMBAT SERVICE INTEL/ELEC WARF	TACTAS AN-SOR 19 AIR WARFARE TNG DEV SUBMARINE WARFARE TNG DE MC COMBAT SERVICE SPT MC INTEL/ELEC WARFARE SY MC COMD/CNTRL/COMM SYS TACAIR GPER CENTRAL 95 NAV INTEG/BIFLD EXPLOIT	AIR WARFARE THG DEV SURFACE WARFARE THG I SUBMARINE WARFARE THG MC COMBAT SERVICE SP MC INTEL/ELEC WARFARI MC COMD/CNTRL/COMM SY TACAIR OPER CENTRAL I INTELLIGENCE MEDICAL DEVELOPMENTS JINTACCS MC	AIR WARFARE THG DEV SURFACE WARFARE THG DEV SUBMARINE WARFARE THG DEV AC COMBAT SERVICE SPT MC INTEL/ELEC WARFARE SYS MC INTEL/ELEC WARFARE SYS TACAIR OPER CENTRAL 85 NAV INTEG/BTFLD EXPLOIT TGT INTELLIGENCE MEDICAL DEVELOPMENTS JINTACCS MC SURV TOWED ARRAY SENSOR FLEET TACTICAL DEV/EVAL ELECTROMAGNETIC SPECTRUM MGT
64713N TACTAS A				
4	4 4 4 4 4 4	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

# DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

1	6 8 8 8 8 8 8 1 1					THOUSANDS OF DOLLARS	
2	PROGRAM:		ľ	: : : : : : : : : : :			<b>8</b> 日
2	NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
288	65871M	TAC EXPLOITATION OF NATL CAPABILITY	4		248	360	374 U
288	24134N	A-6 SQUADRONS	4	7,624	9,978	4,725	3,014 U
290	24136N	F/A-18 ATTACK SQDNS	4				19,369 U
291	24152N	EARLY WARNING ACFT SQUADRONS	4	18,756	18,925	52,291	47,008 U
292	24161N	AVIATION SPT CVW	4	2,384	7,957	7,968	U 116,1
293	24163N	FLEET TELECOMMUNICATIONS (TAC)	4	15, 381	34,282	21,140	33,956 U
294	24226N	PATROL COMBATANTS-HICANS	4		292		כ
295	24281N	SUBMARINES	4	5,710	7,429	6,464	9,496 U
296	24304N	MINES/MINE SUPPORT	4	6, 393	2,930	1,481	1,123 U
297	24311N	UNDERSEA SURVEILLANCE SYS	4	51,244	48,598	49,649	68,904 U
298	24313N	SURTASS	4		6,364	7,070	כ
299	24571N	SPECIAL PROJECTS	4			6,720	11,850 U
300	24573N	COVER AND DECEPTION PROGRAM	4	7,798	13,305	14,312	12,794 U
301	24575N	ELECTRONIC WARFARE SPT PROJECTS	4	5,431	16,509	8,014	10,581 U
302	24576N	C3 COUNTER-MEAS DEVEL	4			11,533	17,900 U
303	25604N	JTIDS	4	31,251	48,079	100,330	87,399 U
304	25620N	ASW COMBAT SYSTEMS INTEGRATION	4	14,184	20,866	16,135	14,589 U
305	25623N	SURF SHIP SONAR MODERNIZATION	4	19, 151	13,973	8,003	9,942 U
306	25624N	AN/SGR-18 IMPROVEMENT	4	5,380	6,611	4,939	4,645 U
307	25633N	ACFT EQ REL/MAINT PROG	4	6,462	8,231	7,067	8,453 U
308	25634N	SUBMARINE SILENCING	4	18,190	15,363	9,283	10,706 U
						PAGE N-15	
			•				

## DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

			FY 1983	R D T & E PROGRAM	E	EX	EXHIBIT R-1	
APPR	ROPRIATION	RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			ATE:	FEB 1982	
	: : : : : : : : : : : : : : : : : : :		1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THØUSANDS OF DØLLARS	IF DOLLARS	
LI NE		ITEM NOMENCLATURE	ACT	FY 19	- 1	FY 1983	FY 1984	
308	25645N	MODULAR GUIDED GLIDE WPN IMP	4	799	2,117	5,260	1,567 U	
310	25658N	LAB FLEET SUPPORT	4	2,273	4,283	4,669	5,366 U	
311	25662N	ACFT PROPULSION EVAL GENERAL	4	2,693	2,000	2,835	3,114 U	
312	25663N	ACFT FLIGHT TEST GENERAL	4	1,830	897	953	1,016 U	
313	25667N	F-14A	4	11,723	16,965	14,724	17,455 U	
314	25670N	TACTICAL INTELL PROCESSING	4	1,317	2,721	1,942	1,809 U	
315	25674N	EW COUNTER RESPONSE	4	9,050	10,586	12,653	15,868 U	
316	25675N	OPERATIONAL REACTOR DEV	4		2,344	2,855	3,397 U	
317	26313M	MARINE CORPS TELECOMMUNICATIONS	4	2,247	1,713	2,266	3,029 U	
318	26623M	MC GRD COMBAT/SPT ARMS SYS	4	1,583	1,635	3,093	9,289 U	
319	26624M	MC COMBAT SERVICE SPT	4	407	368	376	657 U	
320	26625M	MC INTEL/ELEC WARFARE SYS	4	471		779	590 U	
321	26626M	MC COMD/CNTRL/COMM SYS	4	8,091	12,194	18,447	24,240 U	
322	26627M	MC TAC SUPT C/C SYS	4			2,798	2,959 U	
323	28008N	AMRAAM GUE	4				D	
324	28009N	TOMAHAWK CRUISE MISSILE	4			18,010	24,305 U	
325	28010M	TRI-TAC MC	4	9, 193	16,343	15,543	11,297 U	
326	28010N	TRI-TAC NAVY	4	13, 533	9,208	9,374	9,114 U	
327	33109N	SATELLITE COMMUNICATIONS	4				<b>&gt;</b>	
328	33151N	WWMCCS - ADP	4				<b>&gt;</b>	

PAGE N-16

DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

DATE: 08 FEB 1982 EXHIBIT R-1 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY 

			3,906	Ю	PRAIRIE WAGON	31325N	344
		237	322	10	INTELLIGENCE SUPPORT CENTER	31309N	343
			511	Ю	I FIELD OPERATIONAL INTELLIGENCE OFFICE	31303N	342
	/			IO.	FATROL COMBATANTS	24226N	341
5,060 6,836	ທີ	4,215	3,2/1	D			5
				U	TAS SINEEDING SAN CO.	SAGGN	340
4,589 7,532 U	4	5,496	5,700	D	I ELECTROMAGNETIC SPECTRUM MGT	65803N	339
			17,136	ю	I NAVSTAR GPS EQUIP	64778N	338
822 97,440 U	39,822	34,000		Ю	* NAVSTAR	64777N	337
826 61,149 U	43,826			Ю	I EHF SATCOM	64577N	336
3,820 1,487	ິຕິ	5,649	5,210	Ю	I NAVIGATION SYSTEMS	64514N	335
				ю	WWMCCS ARCHITECTURE	63735N	334
476 476		2,142	1,608	Ю	ADVANCED NAVIGATION DEVELOPMENT	63518N	333
1,167 U				ıo	I AIR CONTROL	63511N	332
			4,866	Ю	NAVIGATION SATELLITE OPS	63401N	331
085 3,671,319	3,678,085	3,546,340	3, 107, 230		TACTICAL PROGRAMS	TACTIC	
				4	I CONSULTANTS STUDIES AND ANALYSES	99403N	330
				4	W SECURITY/INVESTIGATIVE ACTYS	35128N	329
983 FY 1984	FY 1983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	ELEMENT	LINE

PAGE N-17

DEPARTMENT OF THE NAVY

EXHIBIT R-1

		FY 1983	1983	R D T & E PROGRAM	Σ	EX	EXHIBIT R-1	
APPF	APPRØPRIATION:	1319 N RESEARCH DEVELOPMENT				DATE: 08	FEB 1982	1
t t	- MAGG	2 1 1 1 1 2 2 3 3 4 4 4 5 5 7 7 8 8 8 7 7 8 8 8 8 8 8 8 8 8 8 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			THOUSANDS OF DOLLARS		100
LINE		I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	H ()
348	31355N	INTEGRATED AUTOMATED INTELLIGENCE PROCESSING	Ю	191			5	$\rightarrow$
349	33109N	SATELLITE COMMUNICATIONS	Ю	5, 357	36,580	1,632	905 U	$\supset$
350	33126N	LONG HAUL COMMUNICATIONS (DCS)	Ю	2,423	1,188	1,965	825 U	$\supset$
351	33401N	COMSEC	Ю					
352	34111N	SPECIAL ACTIVITIES	ю	82,606	101,690	120,380	180,176 U	$\supset$
	INTELL	INTELLIGENCE AND COMMUNICATIONS		152,868	215,274	247,806	400,138	
353	N66759	R+D FUTURE OPTIONS	ဖ				,	$\supset$
354	64208N	RANGE INSTRUMENTATION SYS DEV	ø	13,276	10,317	12,392	17,235 U	$\supset$
355	64218N	ENVIRGNMENTAL SYSTEMS	ω				_	$\supset$
356	64258N	TARGET SYSTEMS DEV	ဖ	43,045	58,803	43,901	48,112 U	$\supset$
357	64703N	TRAINING DEVICES PROTOTYPE DEV	9	13,899	10,361	6,575	3,743 U	$\supset$
358	64709N	PROTO MPWR/PERSONNEL SYS	9	979	4,997	2,152	3,983 U	$\rightarrow$
359	65151M	STUDIES AND ANALYSIS SUPPORT (MC)	ဖ	2,309	2,776	2,148	2,619 U	_
360	65152N	STUDIES AND ANALYSIS SUPPORT (NAVY)	ဖ	6,422	7,791	7,889	8,291 U	_
361	65153M	МСФА	ဖ	2,020	2,481	2,754	2,877 U	
362	65154N	CENTER FOR NAVAL ANALYSIS (NAVY)	9	10,393	11,351	12,445	13,381 U	_
363	65155N	FLEET TACTICAL DEV/EVAL	ဖ					$\supset$
364	65156M	MAR CORPS OPERATIONAL TEST/EVAL	ဖ	1,184	1,205	3,350	1,874 U	_
365	65804N	TECHNICAL INFORMATION SERVICES	ဖ	1,188	1,456	1,665	1,735 U	
366	65852N	AUTEC	ဖ	28, 553	36,150	45,658	50,334 U	_
367	65854M	DEVELOPMENT CENTER SUPPORT	ဖ	3,510	5,422	3,598	3,804 U	_

PAGE N-18

## DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST +	EVAL, NAVY			DATE: 08	DATE: 08 FEB 1982
	MAGGGGG	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			1	THØUSANDS ØF DØLLARS	F DOLLARS
LINE		I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	84
368	65855N	NARL PT BARROW	ω	3,885			
369	65857N	INTERNATIONAL RDT/E	ω	996	1,679	1,935	2,264 U
370	65859N	MOBILE SEA RANGE	ω	5,171	7,024	3,229	5,046 U
371	65861N	RDTE LAB/FAC MGT SPT	ω	48,844	52,159	59,101	66,237 U
372	65862N	RDTE INSTRUMENTATION/MATERIAL SPT	ω	38,305	43,511	31,707	30,710 U
373	65863N	RDTE SHIP/AIRCRAFT SPT	ω	52,425	60,773	69,847	79,535 U
374	65864N	TEST/EVALUATION SPT	ဖ	215,579	240,320	274,106	301,613 U
375	65865N	OPERATION-TEST/EVAL CAPABILITY	<b>6</b>	5, 231	5,770	6,772	6,556 U
376	65869N	RDT&E dSHA SUPPORT	ω				כ
377	65870N	STRATEGIC SYSTEMS TEST SUPPORT	ω	4,647	19,046	17,658	8,616 U
378	65871M	TAC EXPLOITATION OF NATL CAPABILITY	σ				כ
379	65872N	PRODUCTIVITY INVESTMENT	ω		7,490	4,410	2,322 U
380	65873N	LONG RANGE PLANNING SUPPORT	ဖ		006	1,281	1,311 U
381	25633N	AIRCRAFT EQ R/M IMPROVEMENT PROG	ဖ				<b>¬</b>
382	25658N	LAB FLEET SUPPORT	ω				
383	25662N	ACFT PROPULSION EVAL GENERAL	ω				n
384	25663N	ACFT FLIGHT TEST GENERAL	ω				D
385	35111N	WEATHER SERVICE	ဖ	2,998	2,867	1,186	U 160,1
386	35128N	SECURITY/INVESTIGATIVE ACTYS	ဖ			689	729 U
			=	0000	<u>a.</u>	PAGE N-19	

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1983 R D T & E PROGRAM

GGRAM EXHIBIT R-1
DATE: 08 FEB 1982

ு ய ப

**5 5** 

APPR	OPRIATION	APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	, 1			DATE: 08 FEB 1982	DATE: 08 FEB 1982
1 1 1 1	PROGRAM	1				THOUSANDS OF DOLLARS	
NO	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
387	35160N	DEF METEOROLOGICAL SATELLITE PROG	Ø	1,901	1,350	1,316	1,065 U
388	88751N	88751N CIVILIAN EDUCATION/TRAINING/DEV	ဖ	613	1,000	1,157	1,378 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		507,345	596, 999	618,921	666, 461
TOTAL		RESEARCH DEVELOPMENT TEST + EVAL, NAVY		5,024,866	5,807,131	6, 232, 300	7,746,511
			S	UNCLASSIFIED		PAGE N-20	

AIR FORCE

.

## DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

THOUSANDS OF DOLLARS

EXHIBIT R-1

DATE: 08 FEB 1982 SUMMARY

	2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THGUSANDS	OF DOLLARS
	FY 1981	FY 1982	FY 1983	FY 1984
	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CATEGO	·			
	126.612	147.257	178,982	193,264
RESERVED TO THE SOMEWH	487.375	473,475	527,726	553,945
EXPLORATORY DRAFTOREN	851,553	901,663	1,137,621	1,568,787
ADVANCED DEVELORISE	3,270,844	4,455,375	5, 856, 633	5,481,154
MANAGEMENT AND CONTROL			709, 534	752, 539
	1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
DESTRUCTION OF VELDENTIAL (FVDP PROBRAM S)	5,367,444	6,646,095	8,410,496	8,549,689
	1,765,903	2, 230, 215	2,809,904	_
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1		
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035
	613,987	620,732	706,708	747,209
A TOUR THE DOOR TOUR TOUR TOUR TOUR TOUR TOUR TOUR T	284.034	372,610	472,098	531,364
	730	3, 570, 448	4,973,010	4,993,335
	1.453.702	1,777,724	2,218,002	2,314,418
TACTICAL TOOLS AND TO SAME INTO A TIRNO	984	1,305,352	1,418,213	1,334,519
DEFICION MAND CONTROLLORS	1,065,884	1,229,444	1,432,369	1,527,190
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035
SUMMARY RECAP OF FYDP PROGRAMS				
	396.920	428,385	525, 525	428,945
STANTED TO	300, 261	323,019	610,756	681,522
SERVICE TO THE TOTAL OF THE PROPERTY OF THE PR	1,029,131	1,434,773	1,644,493	1,760,457
A TO THE TOTAL OF THE CONTROL OF THE	26	30,485	12,604	7,310
PESETARCH AND DEVELOPMENT (FYDP PROGRAM 6)	5,367,444	6,646,095	8,410,496	8, 549, 689
	_	_	13,738	17,350
SUPPORT OF OTHER NATIONS	2,319		2,78	ณ์
	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

DATE: 08 FEB 1982 EXHIBIT R-1 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

						THOUSANDS OF DOLLARS	JF DOLLARS
LINE	PROGRAM E ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
			1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1
-	61101F	IN-HOUSE LAB INDEPENDENT RESEARCH	-	10,177	11,258	13, 124	15,216 U
a	61102F	DEFENSE RESEARCH SCIENCES	•	116,435	135,999	165,858	178,048 U
ო	62101F	GEOPHYSI CS	-	31,259	33,485	37,780	39,195 U
4	62102F	MATERIALS	-	38,285	42,156	46,174	49,866 U
ID.	62201F	AEROSPACE FLIGHT DYNAMICS	-	55, 686	55, 155	61,219	65, 184 U
ဖ	62202F	AERÖSPACE BIØTECHNØLØGY	-	34,740	35, 959	41,718	44,777 U
^	62203F	AEROSPACE PROPULSION		51,173	53,918	58,645	60,547 U
ω	62204F	AEROSPACE AVIONICS/VHSI CIRCUITS	-	57,730	61,523	67,652	71,500 U
O	62205F	TRAINING/SIMULATION TECH	•	12,942	13,964	18,545	18,271 U
0	62302F	ROCKET PROPULSION	-	30, 791	34,105	37,072	38,264 U
Ξ	62601F	ADVANCED WEAPONS	-	35, 193	39,208	44,471	44,691 U
5	62602F	CONVENTIONAL MUNITIONS	-	30,740	32,724	37,416	38,366 U
5	62702F	COMMAND/CONTROL/COMMUNICATION	<b>-</b> .	61,996	65,887	69,840	75, 363 U
4	62703F	PERS UTILIZATION TECH	-	5, 299	5, 391	7,194	7,921 U
10	62704F	VERY HIGH SPEED INTEGRATED CIRCUITS	-	41,541			3
	TECHNOLOGY	JLOGY BASE		613,987	620, 732	706,708	747,209
16	63103F	ADVANCED AIRBORNE RADAR DEVELOPMENT	Q			3,475	15,330 U
17	63202F	ACFT PROPULSION SUBSYS INTEGRATION	N	18,416	23,013	21,468	27,875 U
8	63203F	ADV AVIONICS FOR ACFT	Ø	10,809	14,944	18,201	22,556 U
19	63205F	FLT VEHICLE TECHNOLOGY	N	7,874	6,675	7,301	9,979 U
20	63208F	RECON SENSORS/PROCESSING TECHNOLOGY	N	5,866	4,085	6,383	8,984 U
						PAGE F-1	

## R D T & E PROGRAM DEPARTMENT FY 1983

EXHIBIT R-1

34,566 U 2,345 U 1,279 U  $\supset$  $\supset$ **¬** 17,930 U èМО 25,610 U 5  $\supset$ コ  $\supset$  $\supset$  $\supset$ 5,748 61,479 8,465 33,128 3,905 14,570 25,898 2,637 6,941 FY 1984 'HOUSANDS OF DOLLARS DATE: 08 FEB 1982 4,055 890 992 1,583 8,699 6,930 894 FY 1983 23,545 30,979 10,739 23,079 66,004 20,017 10,967 16,421 6,486 8,070 33,278 11,855 7,174 65,547 22,220 6,974 22,117 6,774 FY 1982 19,427 2,192 10,353 15,535 8,437 30,940 3,163 5,235 12,650 22,452 8,477 21,152 FY 1981 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT Ø Ø DOD COMMON PROG LANGUAGE (ADA) ADV DEV CARTOG APPLICATIONS-TAC & STRAT SYS SPACE SYS ENVIRON INTERACTIONS TECH VERY HIGH SPEED INTEGRATED CIRCUITS ADVANCED SYSTEM INTEGRATION DEMO ADV TURBINE ENGINE GAS GENERATOR AVIATION TURBINE FUEL TECHNOLOGY AEROSPACE STRUCTURES/MATERIALS ADVANCED SIMULATOR TECHNOLOGY ADV FIGHTER TECH INTEGRATION I TEM NOMENCLATURE MODULAR AUTOMATIC TEST EQ AIRCRAFT SUBSYSTEMS TECH CREW SYSTEMS TECHNOLOGY HYPERVELOCITY MISSILE CONVENTIONAL WEAPONS ADV MSLE PROPULSION LINCOLN LABORATORY PROGRAM ELEMENT NUMBER 63211F 63215F 63245F 63247F 63363F 63216F 83226F 83227F 63250F 63253F 83302F 33410F 63452F 63231F 63246F 63259F 63601F LINE

22

2

28 28 27

24

28 30 32 33

31

38 36

34

UNCLASSIFIED

**D** 

37,104

40, 561 95, 120

75,516

58,237 2,058

92,400 U

5,163 U

4,502

3,885

3,839

CIVIL/ENVIRONMENTAL ENGR TECH

HEARTLINE DEMONSTRATION PROG

63706F 63723F

4

ADVANCED RADIATION TECH

SPACE LASER PROGRAM

63603F 83605F

38 38 40

37

F-2

PAGE

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

		:	DEPARTMENT OF FY 1983 R D	OF THE AIR FORCE	OE AM	EX	EXHIBIT R-1
APPR	APPROPRIATION:	3600 F RESEARCH DEVELOPMENT	., AIR FORCE			DATE: 08	08 FEB 1982
		, 3	; ; ; ; ; ; ;	P 1 T 7 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P	1	THOUSANDS OF DOLLARS	-
LI NE	PRGGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
4	63728F	ADVANCED COMPUTER TECHNOLOGY	Ø	4,438	4,782	4,957	5,816 U
4	63739F	ADV DRØNE/REMØTELY PILØTED VEH DEV	OJ.	4,722	2,789		5
4	63743F	ELECTRO-OPTICAL WARFARE	Ø	10,657	10,261	15,927	22,636 U
10	63750F	COUNTER/COUNTERMEASURES -ADV DEV	Ø	5,948	1,893	7,041	11,425 U
46	63751F	INNOVATIONS IN EDUCATION/TRAINING	01	1,676	2,491	3,073	0 608'9
47	63789F	COMD/CNTRL/COMM ADV DEV	QI		10,162	18,295	21,286 U
	ADVANCE	ADVANCED TECHNOLOGY DEVELOPMENT		284,034	372,610	472,098	531,364
4	63258F	COMMON STRATEGIC ROTARY LAUNCHER (T+	ო		22,400	64,078	63,176 U
4	63311F	ADVANCED STRATEGIC MISSILE SYSTEMS	e	96, 531	99,624	49,737	61,841 U
80	63312F	ADVANCED CONCEPTS	ო			60,000	300,000 U
10	63318F	COUNTER SUAWACS TECHNOLOGY PROG	ო	7,451			J
32	63319F	ADVANCED TECHNOLOGY CRUISE MISSILE	ო	15,468	34,887	26,782	20,537 U
63	63424F	MSL SURVEILLANCE TECH	ဗ	10,058	13,848	9,745	7,674 U
<b>D</b>	63425F	ADVANCED WARNING SYSTEMS	ო		9,962	20,808	48,738 U
5	63426F	POST-ATTACK RECONNAISSANCE	ო			9,919	24,449 U
56	63428F	SPACE SURVEILLANCE TECHNOLOGY	m	25, 585	23,711	40,285	46,609 U
52	63429F	WARNING INFORMATION CORRELATION	ო				
99	63438F	SATELLITE SYS SURVIVABILITY	6	24,048			Þ
30	63439F	ADV SPACE APPLICATIONS PROGRAM	ø	2,647			כ
9	63703F	CONUS OVER-THE-HORIZON RADAR	ო	15,920	4,284		J
			:		11.	PAGE F-3	

## DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

38,468 U	7,995			e	DEW RADAR STATIONS	12412F
1,123 U	1,147	4,284	8, 289	က	SURVEILL RADAR STATIONS/SITES	12411F
כ	1,187	1,295	9,661	ო	JOINT SURVEILLANCE SYSTEM	12325F
1,658 U	1,283			ო	BALLISTIC MSL TAC WNG/ATK ASSES SYS	12313F
35,097 U	25,378	23,511	15,954	ო	NGRAD CGC	12311F
9,956 U	6,232	2,391		ဗ	WWMCCS ADP-NGRAD/ADCOM	12310F
188 U	28,096	29,489	24,937	ဗ	SAC COMMUNICATIONS	11316F
34,366 U	24,034	9,365	6,797	ဗ	POST ATTACK COMD/CNTRL SYS	11312F
6,173 U	12,857	19,626	53, 121	က	MINUTEMAN SQUADRONS	11213F
3			884	<b>o</b>	TITAN SQUADRONS	11212F
11,792 U	28,950	31,780	20,145	က	KC-135 SQUADRONS	11142F
4,890 U				ო	SHORT RANGE ATTACK (AGM-69)	11118F
82,105 U	121,767	95, 639	121,659	ю	B-52 SQUADRONS	11113F
כ			4,473	60	COMPANION TRAINER AIRCRAFT DEV	64758F
17,361 U	13,948	12,055	12,149	m	SYSTEMS SURVIVABILITY (NUC AFFECTS)	64711F
179,038 U	211,764	200,900	133,873	m	SPACE DEFENSE SYS	64406F
63,030 U	186,838	103,741	108,925	m	AIR LAUNCHED CRUISE MISSILE	64361F
2,651,476 U	2, 759, 332	1,963,157	1,491,626	ဗ	M-X	64312F
1,557 U	260			ო	TANKER TRANSPORT BOMBER TRNG SYS	64233F
717,900 U	753, 500	471,000	260, 124	ო	B-18	64226F
14,413 U	15,110			ო	WWMCCS ARCHITECTURE	63735F
FY 1984 C	FY 1983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	ELEMENT
JF DOLLARS	THOUSANDS OF DOLLARS			i		PROCEDA

PAGE F-4

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

EXHIBIT R-1

12429F   CONUS OVER-THE-HORIZON RADAR   3 8,630   17,235   79,176   103,991   12429F   24,000   27,370   170,282   10,282   10,392   10,393   12429F   24,000   24,000   27,370   120,447   26,077   27,282   27,270   27,282   27,270   27,282   27,270   27,282   27,270   27,282   27,270   27,282   27,270   27,282   27	PPR	APPROPRIATION:	: 3600 F RESEARCH DEVELOPMENT TEST + EVAL,	, AIR FURCE			• •	
1242F   PROGRAM   1   1   1   NOMENCLATURE   2   1   1   2   2   1   2   2   1   2   2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• • • • • • • • • • • • • • • • • • •		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS	F DØLLARS
1422F   1422	N N		HEN NOMENCATURE	1		FY 1982	FY 1983	84
12417F         CONUS OVER-THE-HORIZON RADAR         3         6,630         12,752         79,175         10,262         9,876           1242F         SPACETRACK         3         6,630         12,752         10,262         9,876           1242F         SPACETRACK         3         6,630         12,752         10,262         9,876           1243F         SPACETRACK         3         6,630         12,750         120,447         50,275           1243F         SLDACTRACK         3         4,000         6,974         12,095         4,289           1243F         SLDACE DEFENSE OPPORT PROBRAM         3         14,439         10,966         6,470         5,974           1246F         SACE DEFENSE OPPORT PROBRAM         3         14,439         1,096         6,470         2,905           3313F         WHICCS INFORMATION ENGER ORM         3         14,439         1,096         6,470         2,905           3318F         WHICCS INFORMATION SYSTEM         3         14,780         45,420         1,296         2,905           33560F         AIL STRATEGIC TACHINEN RACET         3         43,104         26,939         7,946         2,906           3580F         WHICCS INCORDANS         3	2	Na Grand					1	#
12422F         BALLISTIC MSL EARLY WING SYSTEM         3         6,686         7,970         10,262         9,676           12424F         SPACETRACK         3         6,686         7,970         120,447         5,146 <t< td=""><td>85</td><td>12417F</td><td>CONUS GVER-THE-HORIZON RADAR</td><td>ო</td><td></td><td>17,235</td><td>79,175</td><td>103,991 U</td></t<>	85	12417F	CONUS GVER-THE-HORIZON RADAR	ო		17,235	79,175	103,991 U
14424   SPACETRACK   14412   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   120,447   145,750   146,750   120,447   145,750   146,7	9	12423F	BALLISTIC MSL EARLY WNG SYSTEM	ო	8,630	12,752	10,262	9,676 U
124.31F         DEFENSE SUPPORT PROGRAM         3         67.570         145,750         120,447         50,275           124.32F         SLBM RADAR WARNING SYSTEMS         3         4,000         6,974         19,885         9,470           124.32F         Intea operational Nubers Detect Sys         3         4,000         6,974         19,885         9,470           124.32F         SACE DETENSE OPS         3         14,433         1,096         6,470         2,902           331.3F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,780         45,429         49,606         39,933           331.2F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,780         45,429         49,606         39,933           336.2F         ATELLITE DATA SYSTEM         3         25,901         26,303         7,286         7,287           351.5F         ATELLITE DATA SYSTEM         3         43,104         28,336         7,346         25,346           351.5B         ATELLITE DATA SYSTEM         3         43,104         28,336         7,346         25,346           352.2B         NEXT GENERALISA INTERINER ACTT         4         7,307         4,973,010         4,973,010         4,973,010         4,973,010	4	12424F	SPACETRACK	က	6,658	7,970	5, 542	5,146 U
12432F         SLEM RADAR WARNING SYSTEMS         3         4,000         6,974         19,885         9,470           12432F         Integ operational Nuders Defect sys         3         14,433         1,096         6,470         2,902           33131F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,433         1,096         6,470         2,902           33131F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,780         45,429         49,606         39,993           33151F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         25,901         80,114         50,901         29,905           33601F         AIR FORCE SAT COMM SYSTEM         3         25,901         80,114         50,901         29,345           34618F         SATELLITE DATA SYSTEM         3         43,104         28,383         7,866         2,614           3563F         RECIAL ANALYSIS ACTYS         3         2,730,762         3,570,448         4,973,010         4,993,335           63236F         RAVANCED TACTICAL FIGHTER         4         7,787         6,000         4,993,336           63236F         ADVANCED TACTICAL AIR RECONNAISSANCE SYS         4         7,787         6,000         4,993,336           63236F	10	12431F	DEFENSE SUPPORT PROGRAM	ო	87,570	145,750	120,447	50,275 U
12435F         INTEG OPERATIONAL NUDETS DETECT SYS         3         4,000         6,974         15,885         9,470           12466F         SPACE DEFENSE OPS         3         14,433         1,096         6,470         2,902           3313F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,780         45,429         49,606         39,993           3950F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         25,901         80,114         50,901         29,945           3960F         AIR FORCE SAT COMM SYSTEM         3         43,104         28,393         7,866         2,614           3960F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,866         2,614           3963F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,866         2,614           3963F         SATELLITE DATA SYSTEM         4         7,30,762         3,50,448         4,973,010         4,995,395           31ARATEOL PROBRAM         ADVANCED TACTICAL AIR RECONNAISSANCE SYS         4         7,787         6,000         4,973,010         4,957,010           63236F         ADVANCED TATACK PROBRAM         4         7,787         6,000         4,491         3,912	9	12432F	SLBM RADAR WARNING SYSTEMS	e		3,786	2,570	4,295 U
12460F         SPACE DEFENSE OPS         3         14,433         1,096         6,470         2,902           3313F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,780         45,429         49,606         39,933           3915F         WMICCS INFORMATION SYSTEM         3         25,901         80,114         50,901         29,345           3950F         AIL STRATEGIC TACTICAL + RELAY SYS         3         43,104         28,393         7,846         25,901           35156F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,846         2,56,901           3516F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,846         2,56,901           3516F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,846         2,51,304           3516F         SATELLITE DATA SYSTEM         3         4,370,762         3,570,446         4,973,010         4,993,335           63228F         NEXT GENERATION TRAINER ACFT         4         7,787         6,000         4,993,336           63234F         ACFT NON-NUCLEAR SURVIVABILITY         4         7,787         6,000         4,491         3,912           63248F         NIGHT AT	37	12433F		0	4,000	6,974	19,885	9,470 U
3313F         MINIMUM ESSENTIAL EMER COMM NETWORK         3         14,780         45,429         49,606         39,939           3315E         WWMCCS INFORMATION SYSTEM         3         25,901         80,114         50,901         29,945           3360F         AIR FORCE SAT COMM SYSTEM         3         43,104         28,393         7,784         25,905           3560F         AIR FORCE SAT COMM SYSTEM         3         43,104         28,393         7,886         25,905           3560F         SAFELLITE DATA SYSTEM         3         43,104         28,393         7,886         2,514           3560F         SPECIAL ANALYSIS ACTYS         3         2,730,762         3,570,448         4,973,010         4,993,335           35236F         SECIAL ANALYSIS ACTYS         4         7,787         6,000         4,973,010         4,993,335           63236F         ADVANCED TACTICAL FIGHTER         4         7,787         6,000         4,973,010         4,993,336           63236F         ADVANCED CIVIL-MILITARY ACFT         4         7,787         6,000         4,906         5,710           63244F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,088         4,4491         3,912	9	12450F	SPACE DEFENSE OPS	ო	14,433	1,096	6,470	2,902 U
33562F         WHMCCS INFORMATION SYSTEM         3         25,901         80,114         50,901         29,945           33603F         AIL STRATEGIC TACTICAL + RELAY SYS         3         43,104         28,393         7,886         25,901           33603F         MIL STRATEGIC TACTICAL + RELAY SYS         3         43,104         28,393         7,886         2,614           35156F         SATELLITE DATA SYSTEM         3	0	33131F	MINIMUM ESSENTIAL EMER COMM NETWORK	<b>o</b>	14,780	45,429	49,606	39,993
33601F         AIR FORCE SAT COMM SYS         3         25,901         80,114         50,901         29,945           33603F         MIL STRATEGIC TACTICAL + RELAY SYS         3         43,104         28,393         7,886         2,614           3563F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,886         2,614           3569E         SPECIAL ANALYSIS ACTYS         3         43,104         28,393         7,886         2,614           3569E         SPECIAL ANALYSIS ACTYS         3         4,973,010         4,993,335         2,614           3528F         NEXT GENERALION TRAINER ACFT         4         7,787         6,000         4,993,335         97,860           63234F         ENFGRCER         4         7,787         6,000         4,006         5,710           63244F         ADVANCED TACTICAL AIR RECONNAISSANCE SYS         4         7,787         4,006         5,710           63244F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,088         4,491         3,912           63257F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,086         4,491         3,912	0	33152F	WWMCCS INFORMATION SYSTEM	m			8,366	7,287
35056F         MIL STRATEGIC TACTICAL + RELAY SYS         3         43,104         28,393         7,886         256,990           35156F         SATELLITE DATA SYSTEM         3         43,104         28,393         7,886         2,614           35562F         SPECIAL ANALYSIS ACTYS         3	-	33601F	AIR FORCE SAT COMM SYS	၈	25, 901	80,114	50,901	29,945
35692F         SPECIAL ANALYSIS ACTYS         3         43,104         28,393         7,886           35692F         SPECIAL ANALYSIS ACTYS         3         43,104         28,393         7,886           STRATEGIC PROGRAMS           63228F         NEXT GENERATION TRAINER ACFT         4         7,787         6,000         4,973,010         4,993           63230F         ADVANCED TACTICAL FIGHTER         4         7,787         6,000         4,006           63239F         ADV TACTICAL AIR RECONNAISSANCE SYS         4         7,787         6,000         4,006           63249F         ACFT NÖN-NUCLEAR SURVIVABILITY         4         1,683         1,594         2,011           63249F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,088         4,491	S	33603F		8			79, 784	256,990 U
STRATEGIC PROGRAMS         3	8	35158F	SATELLITE DATA SYSTEM	က	43,104	28, 393	7,886	2,614 U
STRATEGIC PROGRAMS         2,730,762         3,570,448         4,973,010         4,993,010           63228F         NEXT GENERATION TRAINER ACFT         4         7,787         6,000         4,973,010         4,993,010           63230F         ADVANCED TACTICAL FIGHTER         4         7,787         6,000         4,006         5,           63234F         ENFORCER         ADVANCE AIR RECONNAISSANCE SYS         4         7,787         6,000         4,006         5,           63244F         ACFT NON-NUCLEAR SURVIVABILITY         4         1,683         1,594         2,011         2,           63249F         NIGHT ATTACK PROGRAM         4         57,209         3,088         4,491         3,           63257F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,088         7,491         3,	4	35892F	SPECIAL ANALYSIS ACTYS	e		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	
63228F         NEXT GENERATION TRAINER ACFT         4         14,645         52,365         97, 365         97, 338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         49, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 32,338         40, 43,138		STRATE	GIC PROGRAMS		2,730,762	3,570,448	4,973,010	4,993,335
63230F         ADVANCED TACTICAL FIGHTER         4         7,787         6,000         4,006         5,           63239F         ADV TACTICAL AIR RECONNAISSANCE SYS         4         7,787         6,000         4,006         5,           63239F         ADV TACTICAL AIR RECONNAISSANCE SYS         4         1,683         1,594         2,011         2,           63249F         ACFT NON-NUCLEAR SURVIVABILITY         4         57,209         3,088         4,491         3,           63257F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,088         4,491         3,	60	63228F	NEXT GENERATION TRAINER ACFT	4		14,645	52,365	97,860
63234F         ENFORCER         4         7,787         6,000         4,006         5,           63239F         ADVANCED CIVIL-MILITARY ACFT         4         7,787         6,000         4,006         5,           63244F         ACFT NGN-NUCLEAR SURVIVABILITY         4         1,683         1,594         2,011         2,           63249F         NIGHT ATTACK PROGRAM         4         57,209         3,088         4,491         3,           63257F         ADVANCED CIVIL-MILITARY ACFT         4         57,209         3,088         4,491         3,	98	63230F	ADVANCED TACTICAL FIGHTER	4			27,338	49,577
63239F         ADV TACTICAL AIR RECONNAISSANCE SYS         4,006         5,206           63244F         ACFT NÖN-NUCLEAR SURVIVABILITY         4         1,683         1,594         2,011         2,           63249F         NIGHT ATTACK PRÖGRAM         4         57,209         3,088         4,491         3,           63257F         ADVANCED CIVIL-MILITARY ACFT         4         FAGE F-5	97	63234F	ENFORCER	4	7,787	6,000		
63244F         ACFT NÖN-NUCLEAR SURVIVABILITY         4         1,683         1,594         2,011         2,           63249F         NIGHT ATTACK PROGRAM         4         57,209         3,088         4,491         3,           63257F         ADVANCED CIVIL-MILITARY ACFT         4         PAGE         F-5	8	63239F		4			4,006	5,710
63249F NIGHT ATTACK PRÜGRAM 4 57,209 3,088 4,491 3,63257F ADVANCED CIVIL-MILITARY ACFT 4	66		ACFT NON-NUCLEAR SURVIVABILITY	4	1,683	1,594	2,011	2,067
63257F ADVANCED CIVIL-MILITARY ACFT . 4	100		NIGHT ATTACK PROGRAM	4	57,209	3,088	4,491	3,912
PAGE	5	63257F	ADVANCED CIVIL-MILITARY ACFT	4				972

#### UNCLASS IF I ED

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

EXHIBIT R-1

ШΟ

3,838 U 21,087 U 1,660 U 6,243 U 19,664 U 4,687 U 4,202 U 26, 563 U 17,614 U 20,511 U FY 1984 DATE: 08 FEB 1982 THOUSANDS OF DOLLARS FY 1983 17,999 6, 106 2,003 3,911 4,877 1,864 2,864 17,486 21,237 18,724 0,254 5,280 1,296 966 14,744 2,192 5, 180 FY 1982 5,878 55, 192 11,756 3,985 38,510 3,051 5,463 7,308 2,750 3,293 34,000 14,078 2,087 23,910 4,056 22,884 15,060 73,654 FY 1981 22, 331 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT ACFT AVIONICS EQUIPMENT DEVELOPMENT ADVANCED COMMUNICATIONS TECHNOLOGY DOD PHYSICAL SECURITY EG-EXTERIOR ADV MSL SUBSYSTEMS DEMONSTRATION COMBAT IDENTIFICATION TECHNOLOGY ELECTRONIC WARFARE TECHNOLOGY ADVANCED ASSAULT BREAKER DEV ENGINE MODEL DERIVATIVE PROG I TEM NOMENCLATURE SIDE LOCKING AIRBORNE RADAR CHEMICAL WARFARE DEFENSE FIBER OPTICS DEVLOPMENT AIRCRAFT EQUIPMENT DEV ADV MED RANGE A-A MSL ADV ATTACK WEAPONS SPECIAL PROGRAMS PAVE MOVER PROGRAM ELEMENT NUMBER 64201F 63313F 63609F 63616F 63726F 63742F 63745F 63801F 63370F 63714F 63718F 63727F 64212F 63746F 63747F 64218F LINE 103 2 102 104 105 106 107 108 109 110 13 17 115 116 117

UNCLASSIFIED

33,420

22,217 U

27,335

2,092 9,165 1,694

INTEGRATED DIGITAL AVIONICS

64219F 64220F 64222F

118

ALTERNATE FIGHTER ENGINE

64223F 64231F

C-X PROGRAM

122

NUCLEAR WEAPONS SUPPORT

EW COUNTER RESPONSE

119

120 121

2,298

2,240

83,125 U 2,059

94,125

34,869

F-6

PAGE

## DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

27,957 0	18,976	10,455	20, 271	4	
12,120	18, 595	7,870	19,736	4	
23,781	7,695	11,357	14,855	4	
18,257	16,553	12,155	11,446	4	
20,130 U	12,417	10,959	9,120	4	
76,379 U	29,328	24,009		4	
23,045 U	42,682	48,916	14,000		4
	3,016	8,269	6, 639		4
			4,764		4
570 U	5,412	24,906	46,760		4
45,701 U	8,503	20,722	18,758		4
65,708 U	38,858				
5			25,400	4	
21,776 U	20,648	25,205	20,550	4	
16,247 U	16,339	. 8,767	8,870		
23,950 U	28,581	80,065	107,618		4
J	806'6	5,280	5,423		4
192,670 U	207,601	138,079			4
156,429 U	120,472	123,889	105,091		4
93,799 U	103,758	87,271			4
17,578 U	34,580	20,224			4
FY 1984 C	FY 1983	FY 1982	FY 1981	ACT	1

## DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

4,845 U 1983 FY 1984 C 28,125 U ⊃ 35,133 U  $\supset$  $\supset$  $\supset$  $\supset$ 16,894 U  $\supset$ ) 20,197 U  $\supset$  $\supset$ J 36,571 U ⊃ 53,148 26,959 7,209 80,379 17,977 27,292 220,202 37,957 5,752 DATE: 08 FEB 1982 THOUSANDS OF DOLLARS EXHIBIT R-1 52,513 4,740 4,993 6,488 FY 1983 46,726 32,347 20,552 110,234 28,093 98,859 18,469 27,192 39,290 25,318 86,142 3,837 4,882 14,744 7,472 6,276 2,690 FY 1982 12,155 9,564 54,096 87,795 10,468 498 18,829 68,378 32,288 23,711 29,090 13,947 57,284 108,491 8,605 25,359 356 4,525 5,288 12,273 4,455 2,175 7,557 10,991 4,552 62,787 62,780 5,574 57,029 34,796 FY 1981 15,607 41,857 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT SIDE LOCKING AIRBORNE RADAR (SLAR) JT INTEROPERABILITY TAC COMD/CNTRL PRECISION LOCATION STRIKE SYSTEM AIRBORNE SELF-PROTECTION JAMMER COMBAT HELICOPTER MODERNIZATION APPL FOR INFO PROCESSING TECH INTRA-THEATRE IMAGING SYSTEM TACTICAL PROTECTIVE SYSTEMS I TEM NOMENCLATURE COMBAT IDENTICATION SYSTEMS SURFACE DEF SUPRESSION INTELLIBENCE EQUIPMENT JT TAC INFO DIST SYS PROTECTIVE SYSTEMS SYSTEMS PROTECTION EXPENDABLE DRONES SR-71 SQUADRONS F-111 SQUADRGNS F-15 SQUADRONS A-10 SQUADRENS F-16 SQUADRGNS F-4 SQUADRONS PROGRAM ELEMENT NUMBER 64725F 64738F 64737F 64742F 64751F 64754F 64756F 64733F 64739F 64740F 64746F 64750F 64753F 64757F 64779F 11133F 27131F 27128F 27129F 27130F 27133F 144 145 146 147 148 149 150 155 159 152 153 154 156 157 158 160 161 162 163 164 151

F-8

PAGE

UNCLASSIF! ED

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

EXHIBIT R-1

879 U 1,948 U 486 U 3,997 U 27,600 U 2 22,661 U 1,817 U **5** 8,455 U 62,228 U 89,758 U 7,811 0 **-**3,759 ∪ 3,429 U S W C 281 U 18,020 FY 1984 THOUSANDS OF DOLLARS DATE: 08 FEB 1982 1,282 688 8,077 3,486 5,422 4,790 52,875 285 78,210 2,623 21,472 78,852 8,253 26,900 FY 1983 14,944 4,284 50,410 3,088 26,899 52,402 299 2,291 1,195 15,541 FY 1982 990'6 9,000 7,000 6,603 1,500 3,512 1,000 10,935 299 18,512 7,057 5,507 62,136 45,239 2,944 13,761 FY 1981 AIR FORCE ACT APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, ELECTROMAGMETIC COMBAT INTEL SPT JT TACTICAL COMM PROG (TRI-TAC) C-130 AIRLIFT SQUADRONS (IF) C-141 AIRLIFT SQUADRONS (IF) GVERSEAS AIR WEAPON CONT SYS MILITARY AIRLIFT GROUP (IF) TAC AIRBORNE COMD/CNTRL SYS TACTICAL AIR CONTROL SYSTEM I TEM NOMENCLATURE C-5 AIRLIFT SQUADRONS (IF) F-46 WILD WEASEL SQUADRONS USAFE COMMAND/CONTROL SYS TACTICAL SURVEILLANCE SYS TAC AIR INTELL SYS ACTYS AMRAAM OPER UTILITY EVAL TACTICAL AGM MISSILES TACTICAL AIM MISSILE EF-111 SQUADRONS ADV COMM SYS SEEK SPINNER SEEK AXLE OMEGA 35887F 27591F 28008F 41119F 41123F PROGRAM ELEMENT NUMBER 27411F 27415F 27417F 27431F 27584F 27585F 28010F 41115F 41118F 27247F 27252F 27412F 27423F 27136F 27161F 27162F LINE 182 184 185 176 178 179 180 183 174 175 168 170 172 173 177 S 165 166 167 169 171 181

6-1

PAGE

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

PROGRAM				FY 1983 R	D T & E PROGRAM	AAM AAM	ĮŲ.	EXHIBIT R-1
PROGRAM   ELLEMENT   ITEM NOMENCLATURE   ACT   FY 1981   FY 1981	APPE	ROPRIATION	RESEARCH DEVELCHMENT TEST +	AIR FORCE			DATE: 0	08 FEB 1982
FILEMENT   ITEM NOMENCLATURE   ACT   FY 1981   FY 1981		PROGRAM				! ! ! !	THOUSANDS	S
TACTI CAL PROGRAMS	N N		I TEM NOMENCLATURE	ACT	1 1	1 (	FY 1983	FY 1984 C
TACTICAL PROGRAMS         1,753,702         1,773           63431F         SPACE COMMUNICATIONS         5         31,021         6           63735F         WAMCCS ARCHITECTURE         5         13,373         16           64778F         NAVSTAR GPS USER EQUIPMENT         5         1,577         1,577           31313F         AIRCRAFT NAVIGATION SYS VERIF         5         1,577         3,490           31314F         INFRARED PROCESSING + EXPLOITATION         6         19,596         1           31315F         MISSILE AND SPACE TECH COLLECTION         6         28,494         2           31317F         SENIGR YEAR GPERATIONS         6         28,494         2           31317F         SENIGR YEAR GPERATIONS         6         35,093         4           31324F         FOREST GREEN         5         35,093         4           31326F         LONG-HAUL COMMUNICATIONS (DCS)         5         5,093         3           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6         6,091         3,538           34111F         SPECIAL ACTIVITIES         6         6,091         3,538           34111F         SPECIAL ACTIVITIES         6         6,097           35156F	98		OPERATIONAL SUPPORT AIRLIFT	4			2,557	3
63735F         WWMCCS ARCHITECTURE         5         13,373           64778F         WWMCCS ARCHITECTURE         5         13,373           64778F         NAVSTAR GPS USER EQUIPMENT         5         1,577           131313F         AIRCRAFT NAVIGATION SYS VERIF         5         1,577           31313F         AIRCRAFT NAVIGATION PROGRAM         5         9,490           31314F         INFRARED PROCESSING + EXPLOITATION         6         19,596         1           31315F         AISSILE AND SPACE TECH COLLECTION         6         28,494         2           31316F         TECHNICAL SENSOR COLLECTION         6         28,494         2           31324F         FOREST GREEN         6         35,093         4           31357F         INTEG GPERATIONAL NUDETS DETECT SYS         6         35,093         4           31357F         INTEG GPERATIONS (DCS)         6         35,093         4           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6         6,091           33401F         COMMUNICATIONS SECURITY         5         3,538           34111F         SPECIAL ACTIVITIES         6         687,506         94           35148F         TRAFFIC CNTRL/APPROGRAM         6		TACTIC	AL PROGRAMS		1,453,702	1,777,724	2,218,002	2,314,418
63735F         WWMCCS ARCHITECTURE         5         13,373           64773F         NAVSTAR GPS USER EQUIPMENT         5         126,214         16           65703F         AIRCRAFT NAVIGATION SYS VERIF         5         1,577         1,577           31313F         DEFENSE DISSEMINATION PROGRAM         5         9,490         1           31314F         INFRARED PROCESSING + EXPLOITATION         6         19,596         1           31315F         MISSILE AND SPACE TECH COLLECTION         6         19,596         1           31315F         TECHNICAL SENSOR COLLECTION         6         28,494         2           31324F         FOREST GREEN         6         28,494         2           31357F         INTEG GPERATIONAL NUDETS DETECT SYS         6         35,093         4           31357F         INTEG GPERATIONAL NUDETS DETECT SYS         6         6,091           31367F         LONG-HAUL COMMUNICATIONS (DCS)         5         3,538           33147F         ELECTROMAG COMPATIBILITY ANAL CTR         6         6,091           33401F         COMMUNICATIONS SECURITY         5         2,997           35144F         TRAFFILC CNTRL/APPROACH/LANDING SYS         5         2,997           35156F	87	63431F	SPACE COMMUNICATIONS	Ю	31,021	66, 151	52,349	53,934 U
64778F         NAVSTAR GPS USER EQUIPMENT         5         126,214         16           65708F         AIRCRAFT NAVIGATION SYS VERIF         5         1,577           31313F         DEFENSE DISSEMINATION PROGRAM         5         9,490           31314F         INFRARED PROCESSING + EXPLOITATION         6         19,596         1           31315F         MISSILE AND SPACE TECH COLLECTION         6         19,596         1           31316F         TECHNICAL SENSOR COLLECTION         6         28,494         2           31317F         SENIOR YEAR OPERATIONS         6         28,494         2           31324F         FOREST GREEN         6         35,093         4           3136F         INTEG OPERATIONAL NUDETS DETECT SYS         6         35,093         4           33110F         DEF SATELLITE COMM SYS         5         10,864         6,091           3314F         ELECTROMAG COMPATIBILITY ANAL CTR         6         6,091         33538           34111F         SPECIAL ACTIVITIES         6         6407,506         94           35114F         TRAFFIC CNTRL/APPROACH/LANDING SYS         5         2,997           35156F         SUPPORT PROGRAM         6         2,997	88	63735F	WWMCCS ARCHITECTURE	КO	13,373	8,966		<b>.</b>
31313F         AIRCRAFT NAVIGATION SYS VERIF         5         1,577           31313F         DEFENSE DISSEMINATION PROGRAM         5         9,490           31314F         INFRARED PROCESSING + EXPLOITATION         6         19,596         11           31315F         MISSILE AND SPACE TECH COLLECTION         6         19,596         11           31316F         TECHNICAL SENSGR COLLECTION         6         28,494         2           31317F         SENIOR YEAR OPERATIONS         6         28,494         2           31324F         FOREST GREEN         6         35,093         4           33126F         LONG-HAUL COMMUNICATIONS (DCS)         5         10,854           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6,091           33401F         SPECIAL ACTIVITIES         5         6,091           34111F         SPECIAL ACTIVITIES         5         2,997           35156F         SUPPORT PROGRAM         5         2,997	83	64778F	NAVSTAR GPS USER EQUIPMENT	ъD.	126,214	165,377	122,837	98,927 U
31313F         DEFENSE DISSEMINATION PROGRAM         5         9,490           31314F         INFRARED PROCESSING + EXPLOITATION         6         19,596         1           31315F         MISSILE AND SPACE TECH COLLECTION         6         19,596         1           31315F         TECHNICAL SENSOR COLLECTION         6         28,494         2           31324F         FOREST GREEN         6         28,494         2           31357F         INTEG GPERATIONAL NUDETS DETECT SYS         6         28,494         2           33110F         DEF SATELLITE COMM SYS         5         35,093         4           33126F         LONG-HAUL COMMUNICATIONS (DCS)         5         10,854           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6,091         3,536           34111F         SPECIAL ACTIVITIES         5         6,091           35114F         TRAFFIC CNTRL/APPROACH/LANDING SYS         5         2,997           35156F         SUPPORT PROGRAM         6         2,997	06	65708F	AIRCRAFT NAVIGATION SYS VERIF	Ю	1,577	1,694		J
31314F         INFRARED PROCESSING + EXPLOITATION         5           31315F         MISSILE AND SPACE TECH COLLECTION         5           31316F         TECHNICAL SENSOR COLLECTION         6           31317F         SENIGR YEAR OPERATIONS         6           31324F         FOREST GREEN         6           31327F         INTEG OPERATIONAL NUDETS DETECT SYS         6           33110F         DEF SATELLITE COMM SYS         5           33110F         DEF SATELLITE COMM SYS         6           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6           33401F         COMMUNICATIONS SECURITY         6           34111F         SPECIAL ACTIVITIES           34111F         SPECIAL ACTIVITIES           35156F         SUPPORT PROGRAM	16	31313F	DEFENSE DISSEMINATION PROGRAM	NO.	9,490	1,700		5
31315F         MISSILE AND SPACE TECH COLLECTION         5         19,596         19,596         19,596         19,596         19,596         19,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,596         10,509 <td>92</td> <td>31314F</td> <td></td> <td>ю</td> <td></td> <td>2,400</td> <td></td> <td>5</td>	92	31314F		ю		2,400		5
31316F         TECHNICAL SENSØR CØLLECTIØN         5           31317F         SENIØR YEAR ØPERATIØNS         5           31324F         FØREST ØREEN         6           31357F         INTEØ ØPERATIØNAL NUDETS DETECT SYS         6           33110F         DEF SATELLITE CØMM SYS         5           33126F         LÖNG-HAUL CØMMUNICATIØNS (DCS)         5         10,854           33126F         LÖNG-HAUL CØMMUNICATIØNS (DCS)         5         6,091           33144F         ELECTRÖMG CØMPATIBILITY ANAL CTR         6         6,091           33401F         CØMMUNICATIØNS SECURITY         5         3,538           34111F         SPECIAL ACTIVITIES         5         2,997           35156F         SUPPØRT PRØGRAM         5         2,997	83	31315F	MISSILE AND SPACE TECH COLLECTION	ю	19, 596	15,700	651	1,580 U
31317F       SENIGR YEAR OPERATIONS       5       28,494       2         31324F       FÖREST GREEN       5       28,494       2         31357F       INTEG OPERATIONAL NUDETS DETECT SYS       5       35,093       4         33110F       DEF SATELLITE COMM SYS       5       10,854       10,854         33126F       LÖNG-HAÜL COMMUNICATIONS (DCS)       5       6,091         33144F       ELECTRÖMAG COMPATIBILITY ANAL CTR       6       6,091         33401F       SPECIAL ACTIVITIES       5       3,538         34111F       SPECIAL ACTIVITIES       5       2,997         35156F       SUPPORT PROGRAM       5       2,997	94	31316F	TECHNICAL SENSOR COLLECTION	Ю			2,000	21,071 U
31324F         FØREST ØREEN           31357F         INTEG ØPERATIÖNAL NUDETS DETECT SYS         5         28,494         2           33110F         DEF SATELLITE CØMM SYS         5         10,854         4           33126F         LØNG-HAUL CØMMUNICATIØNS (DCS)         5         10,854         6,091           33144F         ELECTRØMAG CØMPATIBILITY ANAL CTR         5         6,091         6           33401F         CØMMUNICATIØNS SECURITY         5         3,536         94           34111F         SPECIAL ACTIVITIES         6         687,506         94           35114F         TRAFFIC CNTRL/APPRØACH/LANDING SYS '         5         2,997           35156F         SUPPØRT PRØGRAM         5         2,997	60	31317F	SENIOR YEAR OPERATIONS	ю				
33126F INTEG OPERATIONAL NUDETS DETECT SYS 6 33126F LONG-HAUL COMMUNICATIONS (DCS) 5 10,854 33144F ELECTROMAG COMPATIBILITY ANAL CTR 6,091 33401F COMMUNICATIONS SECURITY 5 6 687,506 34111F SPECIAL ACTIVITIES 35114F TRAFFIC CNTRL/APPROACH/LANDING SYS 5 2,997 35156F SUPPORT PROGRAM 5	96	31324F	FOREST GREEN	ю	28,494	21,200	31,802	41,627 U
33110F         DEF SATELLITE COMM SYS         5         35,093         4           33126F         LGNG-HAUL COMMUNICATIONS (DCS)         5         10,854           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6,091           33401F         COMMUNICATIONS SECURITY         5         3,538           34111F         SPECIAL ACTIVITIES         6         687,506         94           35114F         TRAFFIC CNTRL/APPROACH/LANDING SYS         5         2,997           35156F         SUPPORT PROGRAM         5         2,997	26	31357F		10		4,500	1,996	U 660,1
33126F         LÖNG-HAUL COMMUNICATIONS (DCS)         5         10,854           33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6,091           33401F         COMMUNICATIONS SECURITY         5         3,538           34111F         SPECIAL ACTIVITIES         6         687,506         94           35114F         TRAFFIC CNTRL/APPROACH/LANDING SYS         5         2,997           35156F         SUPPORT PROGRAM         5         2,997	98	33110F	DEF SATELLITE COMM SYS	ю	35,093	40,149	53, 126	25,815 U
33144F         ELECTROMAG COMPATIBILITY ANAL CTR         6,091           33401F         COMMUNICATIONS SECURITY         5         3,538           34111F         SPECIAL ACTIVITIES         6         687,506         94           35114F         TRAFFIC CNTRL/APPROACH/LANDING SYS         5         2,997           35156F         SUPPORT PROGRAM         5         2,997	66	33126F	LONG-HAUL COMMUNICATIONS (DCS)	ю	10,854	7,970	9,537	10,337 U
33401F COMMUNICATIONS SECURITY  34111F SPECIAL ACTIVITIES  35114F TRAFFIC CNTRL/APPROACH/LANDING SYS	00	33144F	ELECTROMAG COMPATIBILITY ANAL CTR	ю	6,091	6,880	7,251	7,239 U
34111F SPECIAL ACTIVITIES 35114F TRAFFIC CNTRL/APPROACH/LANDING SYS 5 2,997 35156F SUPPORT PROGRAM 5	101	33401F	COMMUNICATIONS SECURITY	ю	3,538	1,594	1,621	1,593 U
35114F TRAFFIC CNTRL/APPROACH/LANDING SYS 5 2,997 35156F SUPPORT PROGRAM 5	02	34111F	SPECIAL ACTIVITIES	Ю	687,506	942,933	1,128,400	1,036,100 U
35156F SUPPORT PROGRAM	03	35114F		Ю	2,997	5,280	5,060	3,907 U
	40	35156F	SUPPORT PROGRAM	ю				

UNCLASSIFIED

PAGE F-10

DEPARTMENT OF THE AIR FORCE FY 1983 R D T & E PROGRAM

PROGRAM   PROG	APPR	APPROPRIATION:	3600 F RESEARCH DEVELOPMENT TEST +	EVAL, AIR FORCE		1	DAIE: 00	
Name		: : : : : : : :					GUSANDS	DOLLARS
INTELLIGENCE AND COMMUNICATIONS   564,976   1,305,352   1,416,213   1,334,515   1,334,51	N D		I TEM NOMENCLATURE	ACT				984
INTELLIGENCE AND COMMUNICATIONS   6   944   976   1,005,352   1,418,213   1,334,519   1,344,719   1,	10	35165F	NAVSTAR GPS (SPACE/ORD SEGMENTS)	ю.				29,560 U
63246F         CONCEPT DEVELOPMENT         6         9.970         4.339         9.275           63401F         SPACE VEHICLE SUBSYSTENS         6         40.978         42.639         6.5273         73.738           63402F         SPACE TEST PROGRAM         6         40.978         42.639         62.573         73.738           63408F         ADV MIL SPACEFLIGHT CAPABILITY         6         2.663         2.889         2.670         3.966           63438F         ATELLITE SYS SURVIVABILITY         6         2.663         2.889         2.436         3.436           63427F         HEATHER SYSTEMS         6         2.663         2.889         3.436         3.436           6421F         ADV AERIAL TARGETS DEV         6         2.663         2.889         3.436         4.456           64227F         FLIGHT SIMULATOR DEVELOPMENT         6         2.663         2.660         3.436         4.456           6441F         SPACE SHUTILE         6         2.663         2.615         5.439         4.466           6441F         SPACE SHUTILE         6         2.660         3.786         4.064         4.17           6443F         RANGET BANDER INCELEDITION TEST FACIL         6         11.999		INTELL	IGENCE AND COMMUNICATIONS			1,305,352	1,418,213	1,334,519
6340F         FACE VEHICLE SUBSYSTEMS         6         9,870         4,339         6,529           6340F         FACE TEST PROGRAM         6         40,978         42,639         62,573         73,738           6340F         ATELLITE SYS SURVIVABILITY         6         2,663         2,889         2,575         3,366           6340F         ATELLITE SYS SURVIVABILITY         6         2,663         2,889         3,438         3,367           6320F         MEATHER SYSTEMS         6         2,663         2,889         3,438         3,367           6421F         ADV ARIAL TÁRGETS DEV         6         1,698         12,254         13,866         14,139           6421F         SPACE SHUTILE         6         2,663         2,663         3,438         3,436           6421F         SPACE SHUTILE         6         2,465         11,258         5,439         8,456           6435F         RANGE IMPROVENENT         6         3,593         3,786         4,064         8,417           6475F         IMPROVED CAPABILITY FOR DITE         6         3,593         3,786         4,064         8,417           6435G         IMPROVED CAPABILITY FOR DITE         6         3,566         3,086	9	63248F	CONCEPT DEVELOPMENT	<b>6</b>			984	3,275 U
63402F         AD WILL SPACE TEST PROGRAM         6         40,976         42,639         62,573         73,738           63406F         ADV MILL SPACEFLIGHT CAPABILITY         6         2,670         3,365         43,365           63436F         SATELLITE SYS SURVIVABILITY         6         2,683         2,889         3,438         3,367           63707F         WEATHER SYSTEMS         6         2,683         11,258         12,254         13,486         14,139           64211F         ADV ARELLITE SYSTEMS         6         2,683         11,258         3,438         3,367           64217F         ADV ARELLIT SIMULATOR DEVELCHMENT         6         2,683         11,256         14,139         8,456           64376F         FLIGHT SIMULATOR DEVELCHMENT         6         2,643         3,786         4,064         8,417           64376F         FLIGHT SIMULATOR DEVELCHMENT         6         3,583         3,786         4,064         8,417           64376F         FLIGHT SIMULATOR TEST FACIL         6         3,786         4,064         8,417           64376F         IMPROVED CAPABILITY FOR DITE         6         3,786         4,064         4,054           65306F         RACCHOMD SPT - TELECOM         6	7	63401F	SPACE VEHICLE SUBSYSTEMS	ဖ	9,870		4,339	6, 523 ∪
63436F         ADV MILL SPACEFLIGHT CAPABILITY         6         2,670         3,386         6         2,670         3,386         6         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,386         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,387         3,388         3,386         3,386         3,387         3,386 </td <td>8</td> <td>63402F</td> <td>SPACE TEST PROGRAM</td> <td>ω</td> <td>40,978</td> <td>42,639</td> <td>62,573</td> <td>73,738 U</td>	8	63402F	SPACE TEST PROGRAM	ω	40,978	42,639	62,573	73,738 U
6421F         ATELLITE SYS SURVIVABILITY         6         2,663         2,869         3,438         3,967           6421F         ADV AERIAL TARGETS DEV         6         16,698         12,254         13,866         14,193           6421F         ADV AERIAL TARGETS DEV         6         2,689         11,258         5,438         3,367           6421F         ADV AERIAL TARGETS DEV         6         246,265         26,000         355,629         293,068           6441F         SPACE SHUTTLE         6         246,265         26,000         355,629         293,068           64707F         WEATHER SYSTEMS         6         2,569         3,786         4,064         8,417           64735F         RANGE IMPROVEMENT         6         11,909         22,615         25,311         22,333           64736F         IMPROVED CAPABILITY FGR DT+E         6         3,756         3,088         7,487         7,487           65101F         PROJECT AIR FORCE         6         12,902         13,748         16,364         5,034           65306F         RANCH HAND II EPIDEMIGLOGY STUDY         6         4,447         4,662         4,764         5,034           65306F         ACCORNO SATUDY         6	60	63406F	ADV MIL SPACEFLIGHT CAPABILITY	<b>6</b>		•	2,670	3,366 U
64211F         ADV AETHER SYSTEMS         6         2,663         2,663         2,663         2,663         3,367	0	63438F	SATELLITE SYS SURVIVABILITY	w		11,058	22, 525	38,304 U
64221F         ADV AERIAL TARGETS DEV         6         16,698         12,254         13,856         14,193           64227F         FLIGHT SIMULATOR DEVELCPMENT         6         5,549         11,258         5,439         8,456           64411F         SPACE SHUTTLE         6         246,265         266,000         355,629         293,088           6473F         MEATHER SYSTEMS         6         11,909         22,615         25,311         22,933           6473F         RANGE IMPROVEMENT         6         11,909         22,615         25,311         22,933           6474F         ELECTROMAG RADIATION TEST FACIL         6         3,756         3,088         7,487         7,487           6475F         IMPROVED CAPABILITY FOR DIT+E         6         12,902         13,748         16,376         59,423           65101F         PROJECT AIR FORCE         6         4,447         4,682         4,764         5,034           65304F         ACG/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65304F         AIRCRAFT NAVIOATION SYS VERIF         6         236,046         241,702         269,229         274,306           6506F         ACQUISITION AND COMMAND SUPP	=	63707F	WEATHER SYSTEMS	6	2,663	2,889	3,438	3,367 U
64411F         SPACE SHUTTLE         6         5,549         11,258         5,439         8,456           64411F         SPACE SHUTTLE         6         246,265         266,000         355,629         293,068           64411F         WEATHER SYSTEMS         6         3,593         3,786         4,064         8,417           6473F         RANGE IMPROVEMENT         6         11,909         22,615         25,311         22,933           6473F         ELECTROMAG RADIATION TEST FACIL         6         3,756         3,088         7,487         7,487         7,487           6473F         IMPROVED CAPABILITY FOR DT+E         6         3,756         3,088         7,487         7,487         7,487         7,483           65101F         PROJECT AIR FORCE         6         12,902         13,748         16,231         16,954           65304F         ACA/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65304F         ARCH HAND 11 EPIDEMIGLGOY STUDY         6         4,447         4,682         4,764         5,034           65304F         ARCH HAND 11 EPIDEMIGLGOY STUDY         6         4,447         4,682         4,764         5,034           65	Ø	64211F	ADV AERIAL TARGETS DEV	O	16,698	12,254	13,856	14,193 U
64411F         SPACE SHUTTLE         6         246,265         266,000         355,629         293,068           64707F         WEATHER SYSTEMS         6         3,593         3,786         4,064         8,417           6473F         RANGE IMPROVEMENT         6         11,909         22,615         25,311         22,933           64747F         ELECTROMAG RADIATION TEST FACIL         6         3,756         3,068         7,487         7,487         7,485           6475F         IMPROVED CAPABILITY FOR DT+E         6         12,902         13,748         16,231         16,954           65304F         ACQ/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65304F         ARNCH HAND 11 EPIDEMICLOGY STUDY         6         4,447         4,682         4,764         5,034           65304F         ARCMAFT NAVIGATION SYS VERIF         6         236,046         241,702         269,229         274,306           65806F         ACQUISITION AND COMMAND SUPPORT         6         236,046         241,702         269,229         274,306           65807F         TEST AND EVALUATION SPT         6         336,773         353,273         358,229	ဗ	64227F	FLIGHT SIMULATOR DEVELOPMENT	ω	5,549	11,258	5,439	8,456 U
64707F         WEATHER SYSTEMS         6         3,593         3,786         4,064         8,417           6473F         RANGE IMPROVEMENT         6         11,909         22,615         25,311         22,933           64747F         ELECTROMAG RADIATION TEST FACIL         6         3,756         3,088         7,487         7,459           64747F         ELECTROMAG RADIATION TEST FACIL         6         12,902         13,748         7,487         7,459           65101F         PROJECT AIR FORCE         6         12,902         13,748         16,231         16,954           65304F         ACQ/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65304F         ARICKAFT NAVIGATION SYS VERIF         6         236,046         24,682         4,764         5,234           65506F         ACQUISITION AND COMMAND SUPPORT         6         236,046         241,702         269,229         274,306           65807F         TEST AND EVALUATION SPT         6         334,687         360,773         354,273         383,229	4	64411F		G	246,265	266,000	355, 629	293,068 U
64735F         RANGE IMPROVEMENT         6         11,909         22,615         25,311         22,933           64747F         ELECTROMAG RADIATION TEST FACIL         6         3,756         3,756         7,487         7,487         7,459           6475F         IMPROVED CAPABILITY FGR DT+E         6         12,902         13,748         76,476         59,423           65101F         PROJECT AIR FORCE         6         4,447         4,682         4,764         5,034           65304F         ACQ/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65306F         RANCH HAND II EPIDEMICLOGY STUDY         6         4,447         4,682         4,764         5,034           65708F         AIRCRAFT NAVIGATION SYS VERIF         6         236,046         241,702         269,229         18,095           65806F         ACQUISITION AND COMMAND SUPPORT         6         334,687         364,273         354,273         383,229	10	64707F	WEATHER SYSTEMS	ю	3, 593	3,786	4,064	8,417 U
64747F         ELECTROMAG RADIATION TEST FACIL         6         3,756         3,088         7,487         7,459           6476F         IMPROVED CAPABILITY FOR DT+E         6         12,902         13,748         7,478         59,423           65101F         PROJECT AIR FORCE         6         12,902         13,748         16,231         16,954           65304F         ACQ/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65306F         RANCH HAND II EPIDEMIGLGGY STUDY         6         3,865         840         5,234           65708F         AIRCRAFT NAVIGATION SVY VERIF         6         236,046         241,702         269,229         274,306           65806F         ACQUISITION AND COMMAND SUPPORT         6         334,687         360,773         354,273         383,229	. 9		RANGE IMPROVEMENT	ω	11,909	22,615	25,311	22,933 U
64755F         IMPRGVED CAPABILITY FØR DT+E         6         12,902         13,748         46,478         59,423           65101F         PRØJECT AIR FØRCE         6         12,902         13,748         16,231         16,954           65304F         ACQ/CØMD SPT - TELECØM         6         4,447         4,682         4,764         5,034           65306F         RANCH HAND II EPIDEMIGLØGY STUDY         6         3,885         840         5,234           65708F         AIRCRAFT NAVIGATIÖN SYS VERIF         6         236,046         241,702         269,229         774,306           65806F         ACQUISITION AND COMMAND SUPPORT         6         334,687         360,773         354,273         383,229	1	64747F		. 6	3,756	3,088	7,487	7,459 U
65101F         PRØJECT AIR FÖRCE         12,902         13,748         16,231         16,954           65304F         ACQ/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65306F         RANCH HAND II EPIDEMIGLOGY STUDY         6         3,885         840         5,234           65708F         AIRCRAFT NAVIGATION SYS VERIF         6         236,046         241,702         269,229         18,095           65806F         ACQUISITION AND COMMAND SUPPORT         6         334,687         360,773         354,273         383,229	9	64755F		ဖ			46,478	59,423 U
65304F         ACQ/COMD SPT - TELECOM         6         4,447         4,682         4,764         5,034           65304F         RANCH HAND 11 EPIDEMI CLOGY STUDY         6         3,885         840         5,234           65708F         AIRCRAFT NAVIGATION SYS VERIF         6         236,046         241,702         269,229         274,306           65806F         ACQUISITION AND COMMAND SUPPORT         6         334,687         360,773         354,273         383,229	9		PROJECT AIR FORCE	ω	12,902	13,748	16,231	16,954 U
65306F         RANCH HAND II EPIDEMIØLØGY STUDY         6         3,885         840         5,234           65708F         AIRCRAFT NAVIGATIØN SVP VERIF         6         236,046         241,702         269,229         274,306           65807F         TEST AND EVALUATIÖN SPT         6         334,687         360,773         354,273         383,229	20		ACQ/CGMD SPT - TELECOM	ω	4,447	4,682	4,764	5,034 U
65708F         AIRCRAFT NAVIGATION SYS VERIF         6         236,046         241,702         269,229         274,306           65806F         ACQUISITION AND COMMAND SUPPORT         6         334,687         360,773         354,273         383,229	2	65306F	RANCH HAND II EPIDEMIOLOGY STUDY	ဖ		3,885	. 840	5,234 U
65806F         ACQUISITION AND COMMAND SUPPORT         6         236,046         241,702         269,229         274,306           65807F         TEST AND EVALUATION SPT         6         334,687         360,773         354,273         383,229	22		AIRCRAFT NAVIGATION SYS VERIF	O			15,590	18,095 U
65807F TEST AND EVALUATION SPT 6 334,687 360,773 354,273 383,229	8		ACQUISITION AND COMMAND SUPPORT	ဖ	236,046	241,702	269, 229	274,306 U
	24		TEST AND EVALUATION SPT	ဖ	334,687	360,773	354,273	383,229 U

PAGE F-11

UNCLASSIFIED

PROGRAM  ELEMENT  ITEM NOMENCLATURE  65608F  ADV SYS ENGINEERING/PLAN  65608F  ADV SYS ENGINEERING/PLAN  65608F  65608F  ADV SYS ENGINEERING/PLAN  65608F  66608F  666		<u> </u>	DEPARTMENT OF FY 1983 R D	OF THE AIR FORCE OF DIR E PROGRAM	CE AM	a	EXHIBIT R-1	
TEM NOMENCLATURE	16N: 3600	RESEARCH DEVELÖPMENT TEST + EVAL,	FØRCE				FEB 1982	
ELEMENT   ITEM NOMENCLATURE   ACT   FY 1981   FY 1982	1 1	F				THOUSANDS OF DOLLARS		
GSBOBF         ADV SYS ENGINEERING/PLAN         6         4,981         4,981           GSB3ZF         PRODUCTIVITY IMPROVEMENT         6         5,064         4,420           65896F         INSTL AUDIOVISUAL SPT (R/D)         6         32,246         32,440           65896F         MGT HQ (RESEARCH/DEV)         6         15,387         67,645           35119F         SPACE BÖGSTERS         3,781         19,427           35130F         CONSCLIDATED SPACE OPERATIONS CENTER         6         18,902         47,228           35130F         CONSCLIDATED SPACE OPERATIONS CENTER         6         18,902         47,228           3510F         SPACE LAUNCH SUPPORT         6         15,000         20,151           78019F         INDUSTRIAL PREPAREDNESS         6         1,776         1,793           78019F         INTERNATIONAL ATRAINING RANGE         6         8,561         9,165           01004F         INTERNATIONAL ACTIVITIES         6         2,319         2,595           01004F         INTERNATIONAL ACTIVITIES         1,065,884         1,222,444           1,065,884         1,229,444         1,229,444	Σ <del>-</del>	ITEM NOMENCLATURE	1	FY 1981	1 7	FY 1983	4 1	ı v m с
65890F         INSTL AUDIOVISUAL SPT (R/D)         6         5,064         4,420           65890F         INSTL AUDIOVISUAL SPT (R/D)         6         32,246         32,440           65890F         INSTL AUDIOVISUAL SPT (R/D)         6         32,246         32,440           35110F         SATELLITE CONTROL FACILITY         6         29,394         19,228           35130F         CONSOLIDATED SPACE OPERATIONS CENTER         6         3,781         19,427           35130F         DEF METEORICLOGICAL SATELLITE PROG         6         18,902         47,222           35171F         SPACE LAUNCH SUPPORT         6         15,000         20,151           7801F         INDUSTRIAL PREPAREDNESS         6         1,776         1,793           78026F         PROGUCT/RELIABLE/AVAIL/MAINTAIN PROG         6         8,561         9,165           01004F         INTERNATIONAL ACTIVITIES         6         2,319         1,229,444           DEFENSEMIDE MISSION SUPPORT         1,065,884         1,229,444           AL         7,133,347         8,876,310		'S ENGINEERING/PLAN	ဖ	4,091	4,981	5,443	5,894	$\supset$
65890F         INSTL AUDIDOVISUAL SPT (R/D)         6         5,064         4,420           65890F         MGT HQ (RESEARCH/DEV)         6         32,246         32,440           35110F         SATELLITE CGNTROL FACILITY         6         15,387         67,645           35130F         SCONSOLIDATED SPACE OPERATIONS CENTER         6         29,334         19,228           35130F         CONSOLIDATED SPACE OPERATIONS CENTER         6         18,902         47,222           3510F         SPACE LAUNCH SUPPORT         6         15,000         20,151           78011F         INDUSTRIAL PREPAREDNESS         6         1,776         1,793           78019F         UTAH TESTING + TRAINING RANGE         6         8,561         9,165           78026F         PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG         6         8,561         1,723           10004F         INTERNATIONAL ACTIVITIES         6         2,319         1,223,444           10FENSEMIDE MISSION SUPPORT         1,065,884         1,223,444           1065,884         1,223,347         8,376,310		STIVITY IMPROVEMENT	O			2,201	2,271	$\supset$
6589BF         MGT HQ (RESEARCH/DEV)         6         32,246         32,440           35110F         SATELLITE CONTROL FACILITY         6         15,387         67,645           35110F         SATELLITE CONTROL FACILITY         6         29,384         19,228           35110F         CONSOLIDATED SPACE OPERATIONS CENTER         6         18,902         47,222           35110F         SPACE LAUNCH SUPPORT         6         18,902         47,222           35171F         SPACE LAUNCH SUPPORT         6         15,000         20,151           78011F         INDUSTRIAL PREPAREDNESS         6         1,776         1,793           78019F         UTAH TESTING + TRAINING RANGE         6         8,561         9,165           78026F         PRÖDUCT/RELIABLE/AVAIL/MAINTAIN PROG         6         8,561         1,776           10004F         INTERNATIONAL ACTIVITIES         6         2,319         1,229,444           DEFENSEMIDE MISSION SUPPORT         7,133,347         8,876,310		AUDIGVISUAL SPT (R/D)	ω	5,064	4,420	5,622	5,756	$\supset$
35110F SATELLITE CONTROL FACILITY  35119F SPACE BOOSTERS  35130F CONSOLIDATED SPACE OPERATIONS CENTER  35131F SPACE LAUNCH SUPPORT  78011F INDUSTRIAL PREPAREDNESS  78011F INDUSTRIAL PREPAREDNESS  78013F INDUSTRIAL PREPAREDNESS  88026F PREPAREDNESS  78013F INDUSTRIAL PREPAREDNESS  88026F PREPAREDNESS  78013F INDUSTRIAL PREPAREDNESS  78013F INDUSTRIAL PREPAREDNESS  78013F INDUSTRIAL PREPAREDNESS  78013F INDUSTRIAL PREPAREDNESS  88026F PRE		(RESEARCH/DEV)	ဖ	32,246	32,440	35,341	35,766	$\supset$
19,228   19,228   19,228   19,427   1		.ITE CONTROL FACILITY	ဖ	15,387	67,645	60,219	66,350	$\supset$
35130F CONSOLIDATED SPACE OPERATIONS CENTER 6 3,781 19,427 35171F SPACE LAUNCH SUPPORT 78011F INDUSTRIAL PREPAREDNESS 78019F UTAH TESTING + TRAINING RANGE 6 1,776 1,793 78026F PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG 6 8,561 9,165 01004F INTERNATIONAL ACTIVITIES 01004F INTERNATIONAL ACTIVITIES DEFENSEWIDE MISSION SUPPORT  AL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE 7,133,347 8,876,310			ဖ	29,394	19, 228	15,011	10,623	$\supset$
35160F DEF METEGROLOGICAL SATELLITE PROG 6 18,902 47,222  35171F SPACE LAUNCH SUPPORT  78011F INDUSTRIAL PREPAREDNESS  78011F INDUSTRIAL PREPAREDNESS  78019F UTAH TESTING + TRAINING RANGE 6 1,776 1,793  78026F PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG 6 8,561 9,165  01004F INTERNATIONAL ACTIVITIES  DEFENSEWIDE MISSION SUPPORT  DEFENSEWIDE MISSION SUPPORT 1,065,884 1,229,444  1,065,884 1,229,444  PARESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE 7,133,347 8,876,310		IDATED SPACE OPERATIONS CENTER	ø	3,781	19,427	32,116	59, 328	$\supset$
35171F SPACE LAUNCH SUPPORT  78011F INDUSTRIAL PREPAREDNESS  6 1,776 1,793  8,165  01004F INTERNATIONAL ACTIVITIES  01005,884 1,229,444  1,229,444  1,229,444  1,233,347 8,876,310		ETECROLOGICAL SATELLITE PROG	ဖ	18,902	47,222	27,751	35, 370	$\supset$
78011F INDUSTRIAL PREPAREDNESS 78019F UTAH TESTING + TRAINING RANGE 78026F PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG 6 8,561 9,165 01004F INTERNATIONAL ACTIVITIES		LAUNCH SUPPORT	ဖ	15,000	20,151	16,419	40,346	$\supset$
78019F UTAH TESTING + TRAINING RANGE 6 1,776 1,793 78026F PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG 6 8,561 9,165 01004F INTERNATIONAL ACTIVITIES 6 2,319 2,595 DEFENSEWIDE MISSION SUPPORT 1,065,884 1,229,444  AL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE 7,133,347 8,876,310		TRIAL PREPAREDNESS	ω			1,977	4,867	$\supset$
78026F PRØDUCT/RELIABLE/AVAIL/MAINTAIN PRØG 6 8,561 9,165 01004F INTERNATIONAL ACTIVITIES 01004F INTERNATIONAL ACTIVITIES DEFENSEWIDE MISSION SUPPORT 1,065,884 1,229,444 1,229,444 1,229,444 1,733,347 8,876,310		TESTING + TRAINING RANGE	ω	1,776	1,793	2,080	2, 338	$\supset$
01004F INTERNATIONAL ACTIVITIES 6 2,319 2,595  DEFENSEWIDE MISSION SUPPORT 1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  2,595  1,065,884 1,229,444  2,595  1,065,884 1,229,444  2,133,347 8,876,310			ဖ	8,561	9,165	9,681	10,145	$\supset$
DEFENSEWIDE MISSION SUPPORT  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444  1,065,884 1,229,444		VATIONAL ACTIVITIES	ဖ	2,319		2,788	2,762	$\supset$
RESEARCH DEVELOPMENT TEST + EVAL, AIR FÖRCE 7,133,347 8,876,310 PA	ENSEWIDE	41SSIØN SUPPØRT		1,065,884	1,229,444	1,432,369	1,527,190	
	EARCH DEVE			7,133,347	8,876,310	11, 220, 400	11,448,035	
						PAGE F-12		

DEFENSE AGENCIES

## DEFENSE AGENCIES FY 1983 R D T & E PROGRAM

DATE: 08 FEB 1982	 THOUSANDS OF DOLLARS
SUMMARY	

EXHIBIT R-1

102,414   93,050   113,900   1,5054   1,5054   1,5054   1,5054   1,5054   1,5054   1,5054   1,5054   1,5054   1,5056   1,5054   1,5056				2000	FY 1984
PROGRAM 6)  FOR STALL SET STALL SET STALL SET STALL SET			-		1
102,414   83,050   113,900   146   15,664   17,166   19,062   19,664   17,166   19,062   19,664   17,166   19,062   19,664   17,166   19,062   10,062   19,062   19,062   10,062   19,062   10	RESEARCH CATEGORIE				
FROGRAM 6) FROGRAM 700 100 200 000 000 000 000 000 000 000 0		102.414	93,050	113,900	146,824
FROGRAM 6)  FROGRA	RESEARCH	671,864	836,843	963,200	1,158,501
FROGRAM 6)	EXPLORATORY DEVELOPMEN	15,054	17,166	19, 125	19,984
FROGRAM 6)  REGERAM 6)  REGISTAN 60  REGISTA	ADVANCED DEVELOPMENT	5 883	6,034	10,082	12,667
T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,912  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,912  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,912  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  FROGRAM 6) 1,308,948 1,697,646 2,259,900 2,911  ES 20,148 695,384 1,090,293 1,509  GASDS) 676,262 756,900 2,911  FROGRAM 6) 1,308,948 1,697,646 2,259,900 2,911	ENGINEERING DEVELOPMENI	44,585	46,450		
FROGRAM 6)  639, 148  639, 148  639, 148  639, 148  639, 148  639, 148  639, 148  634, 248  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  634, 243  62, 600  62, 700  62, 719  FROGRAM 6)  1, 308, 948  1, 697, 646  2, 719  700  1, 508  700  700  700  700  700  700  700		1 1	t	1000	ROS ROL
T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,915  1	PROGRAM	839, 800	999,543	706,000	1 506 744
T + EVAL, DEF AGENCIES 1, 308, 948 1, 697, 646 2, 259, 900 2, 916  1	OPERATIONAL SYSTEMS DEVELOPMENT	469,14	698, 103	080'080'	
EVAL, DEF AGENCIES 1,308,948 1,650 1,306 1,306 1,306 1,306 1,306 1,406 1,306 1,406 1,306 1,406 1,306 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,506 1,406 1,607 1,400 1,406 1,607 1,406 1	T + EVAL, DEF	,308,94	1,697,646	23	2,912,069
FVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  TH SCIENCES 16,215 17,774 22,700 2,911  TH SCIENCES 1,400 1,650 1,650 1,900  TH SCIENCES 1,400 1,650 1,650 1,900  TH SCIENCES 1,400 1,650 1,650 1,900  TH SCIENCES 1,400 1,650 1,650 1,600 2,911	SUMMARY RECAP OF BUDGET ACTIVITIES				
### SUPPORT  **SUPPORT  **SUPPORT		870 277	929,893	1,077,100	1,305,32
OWMUNICATIONS  OWMUNICATIONS  N SUPPORT  VELCPMENT TEST + EVAL, DEF AGENCIES  VELCPMENT TEST + EVAL, DEF AGENCIES  VELCPMENT (FVDP PROGRAMS  OWMUNICATIONS	TECHNOLOGY BASE	38,224	84,341	86,100	70,24
T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  ES 20,148 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 31,800 95 20,900 35	STRATEGIC PROGRAMS		2,719	200	74
T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  PROGRAM 6)  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  ES  20,148 20,900 31,800 2,911  CTS AGENCY 199,771 259,757 326,600 95  PROGRAM 52,603 105,260 107,725 99  16,215 17,774 22,700 2,911  16,215 17,774 22,700 2,911  16,215 17,774 22,700 2,911  16,215 1,600 1,600 2,911	TACTICAL PROGRAMS	451,861	634,243	1,033,400	1,468,40
T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,918  PROGRAM 6)  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,918  T + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,918  ES  20,148 695,384 1,168,907 1,408  20,148 20,900 31,800 2,918  21,293 20,900 31,800 95  CTS AGENCY 199,771 259,757 326,600 95  PROGRAM 52,603 105,260 107,725 99  16,215 17,774 22,700 2,918  16,215 17,775 2,918  16,215 17,775 2,918  16,215 17,775 2,918  16,215 17,775 2,918  16,215 17,775 2,918  16,215 17,775 2,918  16,215 17,775 2,918  17,200 2,918  17,200 2,918  18,2	INTELLIGENCE AND COMMONICATIONS	44, 585			1
ST + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,719 700 1,500 839,840 1,090,293 1,500 839,840 1,090,293 1,500 839,840 1,090,293 1,500 1,500 839,840 1,697,646 2,259,900 2,911 828,543 1,168,907 1,400 1,500 95 848 1,697,646 2,259,900 2,911 828,543 1,168,907 1,400 1,650 107,725 9 16,215 17,774 22,700 2,911 800 1,800				000 030	90 010 0
ST + EVAL, DEF AGENCIES 1,308,948 695,384 1,090,293 1,400 1,500 2,911 1,1090,293 1,400 1,500 2,911 1,1090,293 1,400 1,900,293 1,1090,293 1,400 1,500 1,500 1,500 1,500 1,650 1	RESEARCH DEVELOPMENT TEST + EVAL, DEF	1,308,948	1,697,646	006 (60% (%)	
ST + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,91  SET + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,91  SET + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,91  SET + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,91  SET + EVAL, DEF AGENCIES 1,308,948 1,5097,646 2,259,900 2,91  SET + EVAL, DEF AGENCIES 1,308,948 1,5097,646 2,259,900 2,91  SET + EVAL, DEF AGENCIES 1,500 2,91  SET + EVAL, DE					
NICATIONS			2,719	200	
ESCARCH DEVELOPMENT (FYDP PROGRAM 6)  LESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES  RECAP OF DEFENSE AGENCY  RECAP OF DEFENSE AGENCY  SECONITY AGENCY  RECAP OF DEFENSE AGENCY  199, 771  259, 757  250, 106  250, 106  250, 107, 725  260, 107, 725  270, 725  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727  270, 727	GENERAL PURPOSE FORCES	469,148	695, 384	1,090,293	1,505,998
ESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES 1,308,948 1,697,646 2,259,900 2,911  RECAP OF DEFENSE AGENCIES  MAPPING AGENCY  NT OF DEFENSE (dSD AND GASDS)  NUCLEAR AGENCY  NUCLEAR AGENCY  NECONMUNICATIONS AGENCY  INTELLIGENCE AGENC	PROGRAM	839, 800	999, 543	1,168,907	1,405,32
ESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES  RECAP OF DEFENSE AGENCIES  NATOR DEFENSE AGENCIES  NATOR DEFENSE AGENCY  NOT OF DEFENSE AGENCY  NOT OF DEFENSE AGENCY  NOT OF DEFENSE AGENCY  NOT OF DEFENSE AGENCY  SECURITY AGENCY  SECURITY AGENCY  NUCLEAR AGENCY  RECONNAISSANCE SUPPORT PROGRAM  COMMUNICATIONS AGENCY  105, 260 105, 260 107, 725 9  107, 774 22, 700 2  106, 215 17, 774 22, 700 2  106, 215 17, 774 22, 700 2  106, 215 17, 774 22, 700 2  108, 771 259, 767 326, 600 35  108, 771 259, 771 326, 600 35  108, 771 259,				000 020 0	2.912.06
RECAP OF DEFENSE AGENCIES	RESEARCH DEVELOPMENT TEST + EVAL, DEF	308	1,097,040	200100	
20,148  PAPPING AGENCY NT OF DEFENSE (OSD AND GASDS) NT OF DEFENSE (OSD AND GASDS) NT OF DEFENSE (OSD AND GASDS) NUCLEAR AGENCY NUCLEAR AGENCY NUCLEAR AGENCY RECONNAISSANCE SUPPORT PROGRAM COMMUNICATIONS AGENCY INTELLIGENCE AGENCY LOGISTICS AGENCY INTELLIGENCE AGENCY LOGISTICS AGENCY INTELLIGENCE AGENCY INTELLIGENCE ON IVERSITY HEALTH SCIENCES  1,400 1,650 1,650 1,600 2.91					
MAPPING AGENCY MAPPING AGENCY NT OF DEFENSE (OSD AND OASDS)  NOT OF DEFENSE (OSD AND OASDS)  ADVANCED RESEARCH PROJECTS AGENCY SECURITY AGENCY NUCLEAR AGENCY NUCLEAR AGENCY RECONNAISSANCE SUPPORT PROGRAM COMMUNICATIONS AGENCY INTELLIGENCE AGENCY LOTELIGENCE AGENCY LOGISTICS AGENCY L		20.148			
NI OF DEFENSE (USD AND CASE) AGENCY ADVANCED RESEARCH PROJECTS AGENCY SECURITY RESEARCH PROJECTS AGENCY SECURITY RESEARCH PROGRAM NUCLEAR AGENCY NUCLEAR AGENCY RECONNAISSANCE SUPPORT PROGRAM COMMUNICATIONS AGENCY INTELLIGENCE AGENCY LOGISTICS AGENCY INTELLIGENCE AGENCY INTELLIGENCE AGENCY INTELLIGENCE AGENCY INTELLIGENCE AGENCY INTELLIGENCE ON IVERSITY HEALTH SCIENCES I, 400 I, 650 I,	DEFENSE MAPPING AGENCY	21,293	20,900	31,800	34,14
SECURITY AGENCY NUCLEAR AGENCY NUCLEAR AGENCY RECONNAISSANCE SUPPORT PROGRAM COMMUNICATIONS AGENCY INTELLIGENCE AGENCY LOGISTICS AGENCY INTELLIGENCE AGENCY INTELLIGEN	DEPARTMENT OF DEFENSE (USD AND CAGOS)	580,184	676, 262	756,800	954, 15
NUCLEAR AGENCY RECONNAISSANCE SUPPORT PROGRAM COMMUNICATIONS AGENCY INTELLIGENCE AGENCY LOGISTICS AGENCY ID SERVICES UNIVERSITY HEALTH SCIENCES  NUCLEAR AGENCY 1,400 1,650 1,600 2.91	NATIONAL SECURITY AGENCY	177 001	259 757	326,600	357,547
RECONNAISSANCE SUPPORT PROGRAM COMMUNICATIONS AGENCY INTELLIGENCE AGENCY LOGISTICS AGENCY ID SERVICES UNIVERSITY HEALTH SCIENCES  LOGISTICS AGENCY LOGISTICS AG		17, 188	2000		
COMMONICATIONS ACENCY  INTELLIGENCE AGENCY  LOGISTICS AGENCY  1,400  1,650  1,650  1,600  1,600  2,91	RECONNAISSANCE SUPPORT PRO	52,603	105, 260	107,725	93,087
LOGISTICS AGENCY  LOGISTICS AGENCY  TO SERVICES UNIVERSITY HEALTH SCIENCES  TO SERVICES UNIVERSITY HEALTH SCIENCES  TO SERVICES UNIVERSITY HEALTH SCIENCES				000	00 80
ED SERVICES UNIVERSITY HEALTH SCIENCES	GRISTICS AGENCY	16,215	~	1 800	20,00
2 259 900 2	ED SERVICES UNIVERSITY HEALTH	1		- 1	1
000 000 000 000 000 000 000 000 000 00		000	697.64	2, 259, 900	2,912,069

PAGE D-1

DEFENSE AGENCIES

EXHIBIT R-1	DATE: 08 FEB 1962
FY 1963 R D T & E PROGRAM	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

	PAGE D-1		š				
10,993 U	9,845	6,483	3, 590	ო	MINIMUM ESSENTIAL EMER COMM NETWORK	33131K	စ
29,327 U	43,732	49,269	22,774	ო	WWMCCS SYSTEM ENGINEER	32019K	ED .
19,955 U	23, 355	14,261	5,787	ဗ	WWMCCS ADP-JTSA	32017K	4
8,570 U	7,906	9,278	5,284	m	NMCS-WIDE SUPPORT	32016K	ဗ
1,400 U	1,262	1,166	789	ო	WWMCCS ARCHITECTURE	63735K	2
1,305,325	1,077,100	929, 893	774,278		TECHNÖLÖGY BASE	TECHNO	
357,547 U	326, 600	259,757	199,771	-	DEFENSE NUCLEAR AGENCY	62715H	
22,500 U	17,300	16,800	15,068	-	NUCLEAR MONITORING	62714E	0
19,300 U	15,400	13,300	11,977	-	MATERIALS PROCESSING TECH	62712E	ത
375,554 U	268,500	237,040	199,449	-	EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	62711E	Φ
62,800 U	55, 300	45,400	32,752	-	INTEGRATED COMD/CONTROL TECH	62708E	
31,000 U	31,000	32,500		-	PARTICLE BEAM TECHOLOGY	62707E	ဖ
126,200 U	93, 900	80,415	84,348	-	TACTICAL TECHNOLOGY	62702E	ю
160,000 U	151,900	148,631	125, 354	-	STRATEGIC TECHNOLOGY	62301E	4
3,600 U	3, 300	3,000	3,145		TECHNICAL STUDIES	62101E	<b>6</b>
1,824 U	1,800	1,650	1,400	-	IN-HOUSE LAB INDEPENDENT RESEARCH	61101W	N
145,000 U	112,100	91,400	101,014	-	DEFENSE RESEARCH SCIENCES	61101E	_
FY 1984 C	FY 1983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	NUMBER	S

		,		DEFENSI	DEFENSE AGENCIES		2	0
		•	<b>→</b>		D T & E PROGRAM	AM	EX	EXHIBIT R"
		0.000	BESEARCH DEVELOPMENT TEST + EVAL, DEF	F AGENCIES			DATE: 08 FEB	08 FEB 1982
APPR	APPROPRIATION	0040	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	THOUSANDS OF DOLLARS	1
L NE	PROGRAM ELEMENT NUMBER		ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
	303150 X081	WWMCCS INFORMATION	-GRMATION SYSTEM	ø		3,884	1	
-	STRATE	STRATEGIC PROGRAMS	4S		38, 22		86,100	70,245
0	2 1 C	ST SO CA	CINC C2 INITIATIVES	4		2,719	700	
<u> </u>	637018	MAP/CHART,	MAP/CHART/GEGDESY INV/PRGTGTYPE DEV	RO.	14,265	16,000	17,863	
20		MAP/CHART/0ECDESY	/GEDDESY ENGR DEV/TEST	Ю	5,883	6,034	10,082	12,667 U
2		CRYPTOLOG	CRYPTOLOGIC ACTIVITIES	IO.		•		
,	31301L	GENERAL D	GENERAL DEFENSE INTELLIGENCE PROGRAM	ю				
á	33126K	LONG-HAUL	LØNG-HAUL COMMUNICATIONS (DCS)	Ю	14,379	18,200	18,935	
24		SUPPORT OF THE	IF THE NCS	Ю			1,990	Z, 960 U
20	334016	COMMUNICATIONS	TIONS SECURITY	Ю				
26	35159B	DEFENSE	RECONNAISSANCE SUPPORT PROGRAM	10				
27	351591	DEFENSE R	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	Ю				
28	351679	COMPUTER SECURITY	SECURI TY	Ю				
29			TACTICAL CRYPTOLOGIC ACTIVITIES	10		070	1 033 400	1.468,404
	INTEL	LIGENCE AND	INTELLIGENCE AND COMMUNICATIONS		451,861	634, 243	2000	
6	GK1040		TECHNICAL SUPPORT TO USDR/E	ω	11,200	12,100	16,649	
9 6			GENERAL SUPPORT FOR PA/E	ဖ	2,205	2,200	3,712	
32			SUPPORT TO POLICY	ဖ	3,355	2,100	4,419	
33			GENERAL SUPPORT FOR NET ASSESSMENT	ဖ	1,918	1,900	4,006	
			SUPPORT FOR MRA/L	ω	2,615	2,600	3,014	3,632 U
							PAGE D-2	

PAGE D-2

DEFENSE AGENCIES FY 1983 R D T & E PROGRAM

Ł	1982
EXHIBI K-1	8 FEB
IJ	DATE: 08 FEB 1982
	APPRÖPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

DEFENSE TECHNICAL INFO CENTER INFORMATION ANALYSIS CENTERS MOT HO (RESEARCH/DEVELOPMENT) SEWIDE MISSION SUPPORT  RCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	;	13,233 14,574 17,560 18,343 U	2,982 3,200 5,140 6,662 U	7,077 7,776 8,100 8,200 U 44,585 46,450 62,600 67,349	1,308,948 1,697,646 2,259,900 2,912,069	UNCLASSIFIED PAGE D-3
DEFENSE TECHNICAL INFO CENTER  INFORMATION ANALYSIS CENTERS  MOT HO (RESEARCH/DEVELOPMENT)  SEWIDE MISSION SUPPORT  A4,585  CH DEVELOPMENT TEST + EVAL, DEF AGENCIES  UNCLASSIFIED	;					PAGE D-3
DEFENSE TECHNICAL INFO CENTER  INFORMATION ANALYSIS CENTERS  MOT HQ (RESEARCH/DEVELOPMENT)  SEWIDE MISSION SUPPORT  CH DEVELOPMENT TEST + EVAL, DEF AGENCIES  UNCLASSIF	FY 1982	14,574	3,200	7,776	1,697,646	
ITEM NOMENCLATURE  DEFENSE TECHNICAL INFO CENTER  INFORMATION ANALYSIS CENTERS  MOT HO (RESEARCH/DEVELOPMENT)  SEWIDE MISSION SUPPORT  RCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	FY 1981	13, 233	2,982	7,077	1,308,948	UNCLASSIFIED
ELEMENT NUMBER 658018 65898E 65898E DEFEN	I TEM NOMENCLATURE				RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	
	O N N N N N N N N N N N N N N N N N N N	80	36	37	TOTAL	

THOUSANDS OF DOLLARS

DATE: 08 FEB 1982

SUMMARY

FY 1984 FY 1983 FY 1982 FY 1981

SUMMARY RECAP OF RESEARCH CATEGORIES MANAGEMENT AND SUPPORT RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6) TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	42,100 42,100 42,100	53,000	000,09	63,702
SUMMARY RECAP OF BUDGET ACTIVITIES	42,100	53,000	000,00	63,702
SUMMARY RECAP OF FYDP PROGRAMS RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6) TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	42,100	53,000	000 '09	63,702

DEFENSE AGENCIES FY 1983 R D T & E PROGRAM DATE: 08 FEB 1982

EXHIBIT R-1

APPRÖPRIATION: 0450 D DIRECTOR OF TEST + EVALUATION, DEFENSE

	PAGE D-5	Q.	UNCLASSIFIED	5	•		
63,702	60,000	23,000	42,100		DIRECTOR OF TEST + EVALUATION, DEFENSE		TOTAL
63,702	60,000	53,000	42,100		DEFENSEWIDE MISSION SUPPORT	DEFEN	
50,388 U	48,400	42,100	32,950	ø	65804D TEST AND EVALUATION	65804D	a
13,314 U	11,600	10,900	9,150	<b>(</b>	65111D FOREIGN WEAPONS EVALUATION	65111D	_
FY 1984 C	FY 1983	FY 1982	FY 1981	ACT	I TEM NOMENCLATURE	NG NUMBER	G Z
THOUSANDS OF DOLLARS	THOUSANDS OF DOLLARS	*		•	ΣΗ	PROGRAM FI FMENT	L

EXHIBIT R-1	DATE: 08 FEB 1982	
DEFENSE MAPPING AGENCY FY 1983 R D T & E PROGRAM	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	

1 1						000000000000000000000000000000000000000	0
	7		1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ı
L I NE	LINE ELEMENT NO NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
		MAN ACHART ACERTERY INVAPROTOTYPE DEV	NO.	14,265	16,000	17,863	18,584 U
<b>D</b> C	637015	MAP/CHART/GECDESY ENGR DEV/TEST	Ю	5,883	6,034	10,082	12,667 U
26		DEFENSE RECONNAISSANCE SUPPORT PROGRAM	Ю	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1	8 1 1 1 1 1
	INTELL	INTELLIGENCE AND COMMUNICATIONS		20,148			
		MADDING ADENCY		20, 148	! ! ! !	1 1 1 1	
TOTAL			Š	UNCLASSIFIED		PAGE D-6	

EXHIBIT R-1

DEPARTMENT OF DEFENSE (OSD AND GASDS) FY 1983 R D T & E PROGRAM

¥ ;	DERIALION.	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT REVAL	& EVAL DEF AGENCIES	S		DA I E . O	DAIE: UO FEB 1902
	200000000000000000000000000000000000000			1		THOUSANDS OF DOLLARS	1
L I NE	ELEMENT	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 G
30	65104D	TECHNICAL SUPPORT TO USDR/E	ယ	11,200	12,100	16,649	19,719 U
31	65106D	GENERAL SUPPORT FOR PA/E	ဖ	2,205	2,200	3,712	4,294 U
32	65107D	SUPPORT TO POLICY	ဖ	3,355	2,100	4,4	1,652 U
33	65108D	GENERAL SUPPORT FOR NET ASSESSMENT	ဖ	1,918	1,900	4,006	4,847
34	65109D	GENERAL SUPPORT FOR MRA/L	ဖ	2,613	2,600	3,014	3,632
	DEFENS	DEFENSEWIDE MISSION SUPPORT		21,293	20, 900	31,800	34, 144
TOTAL		DEPARTMENT OF DEFENSE (OSD AND GASDS)		21,293	20,900	31,800	34,144
			, OND	UNCLASSIFIED		PAGE D-7	

UNCLASSIFIED

		DEFENSE ADVANCED FY 1983		RESEARCH PROJECTS AGENCY R D T & E PROGRAM	TS AGENCY AM	Ë	EXHIBIT R-1
PPRC	APPROPRIATION:	0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF	F AGENCIES			DATE: 08	FEB 1982
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	F DOLLARS
L I NE	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
-	61101E	DEFENSE RESEARCH SCIENCES	-	101,014	91,400	112,100	145,000 U
e	62101E	TECHNICAL STUDIES	-	3,145	3,000	3,300	3,600 U
4	62301E	STRATEGIC TECHNOLOGY	-	125, 354	148,631	151,900	160,000 U
Ю	62702E	TACTICAL TECHNOLOGY	-	84,348	80,415	93,900	126,200 U
ω	62707E	PARTICLE BEAM TECHOLOGY	-		32,500	31,000	31,000 U
~	62708E	INTEGRATED COMD/CONTROL TECH	-	32,752	45,400	55,300	62,800 U
0	62711E	EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	-	199,449	237,040	268,500	375, 554 U
O	62712E	MATERIALS PROCESSING TECH	-	11,977	13,300	15,400	19,300 U
0	62714E	NUCLEAR MONITORING	-	15,068	16,800	17,300	22,500 U
	TECHNOLOGY	GGY BASE		573,107	668,486	748, 700	945, 954
37	65898E	MGT HQ (RESEARCH/DEVELGPMENT)	ω	7,077	7,776	8,100	8,200 U
TOTAL		DEFENSE ADVANCED RESEARCH PROJECTS AGENCY		580, 184	676,262	756,800	954, 154
			CNCL	UNCLASSIFIED	•	PAGE D-8	

EXHIBIT R-1

NATIONAL SECURITY AGENCY FY 1983

FY 1983 FY 1984 C THOUSANDS OF DOLLARS DATE: 08 FEB 1982 FY 1982 FY 1981 APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES ACT R) Ю I TEM NOMENCLATURE COMMUNICATIONS SECURITY CRYPTOLGGIC ACTIVITIES LINE ELEMENT NO NUMBER 310119 334016 25 2

Ю Ю

35885G TACTICAL CRYPTOLOGIC ACTIVITIES

COMPUTER SECURITY

351676

28 29 INTELLIGENCE AND COMMUNICATIONS

TOTAL NATIONAL SECURITY AGENCY

UNCLASSIFIED

6-0 PAGE

UNCLASSIFIED

AGENCY	PROGRAM
UCLEAR	RDT&E
DEFENSE	1983 R
	F

				FY 1983	PY 1983 R D T & E PROGRAM	RAM	Ē	EXHIBIT R-1
APPRO	PRIATION	: 0400 D	APPROPRIATION: 0400 D RESEARCH DEVELCIPMENT TEST & EVAL DE'F AGENCIES	EVAL DEF AGENCII	ES		DATE: 08	DATE: 08 FEB 1982
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		t t t t t t t t t t t t t t t t t t t					THOUSANDS OF DOLLARS	JF DOLLARS
L I NE	LINE ELEMENT NG NUMBER		ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
-	62715H	DEFENSE	DEFENSE NUCLEAR AGENCY	-	199,771	259,757	326,600	357,547 U
TOTAL		DEFENSE NUCLEAR AGENCY	AGENCY		199,771	259, 757	326,600	357,547
				N .	UNCLASSIFIED	_	PAGE D-10	

EXHIBIT R-1

DEFENSE RECGNNAISSANCE SUPPORT PROGRAM FY 1983 R D T & E PROGRAM

. М Ш О FY 1984 DATE: 08 FEB 1982 THOUSANDS OF DOLLARS FY 1983 FY 1982 FY 1981 APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES ACT Ð 351591 DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES TOTAL DEFENSE RECONNAISSANCE SUPPORT PROGRAM I TEM NOMENCLATURE PROGRAM LINE ELEMENT NO NUMBER 27

UNCLASS I FIED

PAGE D-11

UNCLASSIFIED

	DATE:
DEFENSE COMMUNICATIONS AGENCY FY 1983 R D T & E PROGRAM	
	RESEARCH DEN
	0400 D

EXHIBIT R-1

PPR	<b>GPRIATION</b>	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL	TEST & EVAL DEF AGENCIES	"		DATE: 08	DATE: 08 FEB 1982
1	1		! ! ! ! ! ! ! ! ! ! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1	1	THOUSANDS OF DOLLARS	
LINE	PRGGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
ď	63735K	WWMCCS ARCHITECTURE	ო	789	1,166	1,262	1,400 U
6	32016K	NMCS-WIDE SUPPORT	ო	5,284	9,278	906'2	8,570 U
4	32017K	WWMCCS ADP-JTSA	n	5,787	14,261	23, 355	19,955 U
E	32019K	WWMCCS SYSTEM ENGINEER	ო	22,774	49, 269	43,732	29,327 U
16	33131K	MINIMUM ESSENTIAL EMER COMM NETWORK	n	3,590	6,483	9,845	10,993 U
17	33152K	WWMCCS INFORMATION SYSTEM	m		3,884		כ י
	STRATE	STRATEGIC PROGRAMS		38,224	84,341	86,100	70,245
8		21135K CINC CZ INITIATIVES	4		2,719	200	746 U
23	33126K	LONG-HAUL COMMUNICATIONS (DCS)	ю	14,379	18,200	18,935	19,136 U
24	33127K	33127K SUPPORT OF THE NCS	ю			066,1	2,960 U
	INTELL	INTELLIGENCE AND COMMUNICATIONS		14,379	18,200	20,925	22,096
TOTAL		DEFENSE COMMUNICATIONS AGENCY		52,603	105, 260	107,725	93,087
					0	PAGE D-12	

EXHIBIT R-1 DATE: 08 FEB 1982 DEFENSE INTELLIGENCE AGENCY FY 1983 R D T & E PROGRAM APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

FY 1983 FY 1984 C THOUSANDS OF DOLLARS FY 1982 FY 1981 ACT Ю 31301L GENERAL DEFENSE INTELLIGENCE PROGRAM I TEM NOMENCLATURE PRGGRAM LINE ELEMENT NG NUMBER 22

UNCLASSIFIED

DEFENSE INTELLIGENCE AGENCY

TOTAL

PAGE D-13

AGENCY	PROGRAM
LØGISTICS A	ROTRE
DEFENSE	FY 1983

		in.	.Y 1983	FY 1983 R D T & E PROGRAM	SAM	ω	EXHIBIT R-1
APPR	OPRIATION	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	EF AGENCII			DATE: 0	1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1 1 1 1 1 1	5 6 6 8 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		THOUSANDS OF DOLLARS	OF DOLLARS
-	PROGRAM FI FMFNT		1				1
2	NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
35	658018	DEFENSE TECHNICAL INFO CENTER	ဖ	13,233	14,574	17,560	18,343 U
36	658028	65802S INFORMATION ANALYSIS CENTERS	9	2,982	3,200	5,140	6,662 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		16,215	17,774	22,700	25,005
TOTAL		DEFENSE LOGISTICS AGENCY		16,215	17,774	22,700	25,005
						PAGE D-14	

UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES FY 1983 R D T & E PROGRAM

EXHIBIT R-1

1982	8	FY 1984 C	1,824 U	1,824	•
EVAL DEF AGENCIES DATE: 08 FEB 1982	THOUSANDS OF DOLLARS	FY 1983 F	1,800	1,800	PAGE D-15
		FY 1982	1,650	1,650	PAGE
ø		FY 1981	1,400	1,400	
& EVAL DEF AGENCIES		ACT	-		
0400 D RESEARCH DEVELOPMENT TEST &		I TEM NOMENCLATURE	61101W IN-HOUSE LAB INDEPENDENT RESEARCH	UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	
PRIATION:	PROGRAM	LINE ELEMENT	61101W		
APPRO		LINE	, OI	TOTAL	

0272-101 REPORT DOCUMENTATION 1. RE	PORT NO.	2.	3. Recipient's Accession No.	
PAGE			PB82-160060	
4. Title and Subtitle			5. Report Date	
Research, Development, Test and Evaluation Program (R-1), Department of Defense Budget for Fiscal Year 1983  7. Author(s)			February 8, 1982	
			040042	
			8. Performing Organization Rept. No	
The Assistant Secretary of Defense (Comptroller)				
Performing Organization Name and Add	iress		10. Project/Task/Work Unit No.	
The Department of Defense			11. Contract(C) or Grant(G) No.	
Washington, DC 20301			(C)	
	¥)			
			(G)	
12. Sponsoring Organization Name and Ad			13. Type of Report & Period Covered	
The Department of Defense Washington, DC 20301			FY 1983	
,	·		14.	
16. Abstract (Limit: 200 words)				
•				
		•		
			·	
			•	
17. Document Analysis a. Descriptors				
	Development	R-1		
Department of Defense				
FY 1983	Test			
FY 1983 Budget	Test Evaluation			
FY 1983	Test			
FY 1983 Budget	Test Evaluation			
FY 1983 Budget Research	Test Evaluation			
FY 1983 Budget Research	Test Evaluation		REPRODUCED BY NATIONAL TECHNIC	

c. COSATI Field/Group

NATIONAL TECHNICAL INFORMATION SERVICE U.S. DEPARTMENT OF COMMERCE SPRINGFIELD, VA. 22161

No restriction on distribution.	19. Security Class (This Report) Unclassified	21. No. of Pages
Available from National Technical	20. Security Class (This Page)	22. Price
Information Service, Springfield, VA 22161	Unclassified	\$6.00/A01

## is made in filling your order, if the item was received A replacement will be provided if an error NTIS does not permit return of items for credit or in damaged condition, or if the item is defective.

Reproduced by NTIS
National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161

This report was printed specifically for your order from our collection of more than 2 million technical reports.

For economy and efficiency, NTIS does not maintain stock of its vast collection of technical reports. Rather, most documents are printed for each order. Your copy is the best possible reproduction available from our master archive. If you have any questions concerning this document or any order you placed with NTIS, please call our Customer Services Department at (703)487-4660.

Always think of NTIS when you want:

- Access to the technical, scientific, and engineering results generated by the ongoing multibillion dollar R&D program of the U.S. Government.
- R&D results from Japan, West Germany, Great Britain, and some 20 other countries, most of it reported in English.

NTIS also operates two centers that can provide you with valuable information:

- The Federal Computer Products Center offers software and datafiles produced by Federal agencies.
- The Center for the Utilization of Federal Technology gives you access to the best of Federal technologies and laboratory resources.

For more information about NTIS, send for our FREE *NTIS Products* and *Services Catalog* which describes how you can access this U.S. and foreign Government technology. Call (703)487-4650 or send this sheet to NTIS, U.S. Department of Commerce, Springfield, VA 22161. Ask for catalog, PR-827.

Name	
Address	_
	_
Telephone	_

- Your Source to U.S. and Foreign Government Research and Technology.